```
Connecting via Winsock to Dialog
Logging in to Dialog
Trying 31060000009998... Open
DI ALOG I NFORMATI ON SERVI CES
PLEASE LOSON
ENTER PASSWORD:
Welcome to DIALCG
Dialog Level 05, 22, 00D
Last | ogoff: 16may08 13: 35: 55
Logon fil e405 27may08 12: 36: 48
                           ANNO INCEMENTS *
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histories give you the most complete view of a patent or
and its history in one place. When searching in one of the patent and trademark databases, a link to an online order form is displayed
in your search results, saving you time in obtaining the file
histories you need. See HELP FILEHIST for more information about
how to use the link and a list of files that contain the link.
*** The 2008 EMTREE Thesaurus has been added to EMBASE (Files 72, 73,
772, and 972) **
RESUMED UPDATI NG
 ***File 120, U.S. Copyrights
RELOADS COMPLETED
***Files 156, ToxFile (annual reload)
***Files 154 & 155, MEDLINE (annual reload)
*** Files 72 & 73, EMBASE
FI LES REMOVED
Files 476/Financial Times & 473/Financial Times Abstracts
Files 359, 959, 804, Chemical Economics Handbook
Files 360, 960, Specialty Chemicals Update Program
 >>>For the latest news about Dialog products, services, cont >>>and events, please visit What's New from Dialog at >>>http://www.gialog.com/whatsnew/. You can find news about >>>a specific database by entering HELP NEWS <file number>.
                                                                                     services, content <<<
                                                                                                                      ~~
                                                                                                                       ---
                                                                                                                       ___
>>>PROFILE is in a suspended state.
>>>Contact Dialog Customer Services to re-activate it.
SYSTEM HOME
Cost is in Dial Units
Menu System II: D2 version 1.8.0 term⊯ASCII

*** DIALOG HCMEBASE(SM/ Main Menu ***
 Information:
         JUNELIUM:
Announcements (new files, reloads, etc.)
Dat abase, Rates, & Command Descriptions
Help in Choosing Dat abases for Your Topic
Customer Services (telephone assistance, training, seminars, etc.)
Product Descriptions
    3
  Connect i ons:
           DIALCG(R) Document Delivery
    7. Data Star(R)
       (c) 2003 Dialog, a Thomson business.
                                                                                    All rights reserved.
                                                 /L = Logoff
                                                                                        / NOMENU = Command Mode
encount operator number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., Bit or ERIC).
         27may08 12:36:48 User 217743 Session D729.1

$0.00 0.271 Dial Units FileHomeBase

$0.00 Estimated cost FileHomeBase

$0.00 Estimated cost this search
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$0.00 Estimated total session cost 0.271 Dial Units
File 410: Dialog Comm.-of-Interest Newsletters 2008 / Mar
(c) 2008 Dialog
          Set Items Description
 ? set hi ; set hi
HILIGHT set on as ''
   b 155
            27may08 12: 37: 03 User 217743 Sessi on D729. 2
         $0.00 0.117 Dial Units File410
$0.00 Estimated cost File410
        $0.06 TELNET
$0.06 Estimated cost this search
$0.06 Estimated total session cost
                                                                   0.388 Dial Units
 File 155: MEDLINE(R) 1950-2008/May 26
 (c) format only 2008 Dialog
*File 155: MEDLINE has reloaded. Please see HELP NEWS 155
 for details.
          Set Items Description
 ? s infertility and (administer or administration) and (fsh or Ih or hcg)
                  48698 INFERTILITY
                             ADM NI STER
ADM NI STRATI CN
                    8361
               1530960
                  24899
                           FSH
                  30216
                            LH
                   17552
                            HOG
          S1
                    1146 INFERTILITY AND (ADM NISTER OR ADM NISTRATION) AND (FSH
                              OR LH OR HOG
? s s1 and py>1998
1146 S1
               5491440 PY>1998
          S2
                            S1 AND PY>1998
                    496
 ? s s1 not s2
                    1146
                     496 S2
          S3
                     650
                            S1 NOT S2
? s s3 and ti =infertility
>>>Prefix "TI" is undefined
                     650
                            S3
                        ő
                              TI = I NFERTI LI TY
          S4
                        0 S3 AND TI = I NEERTI LI TY
 ? s s3 and infertility/ti
                     650 S3
                    8130 INFERTILITY/TI
          S5
                       69 S3 AND INFERTILITY/TI
? s s5 and (fsh or lh or hcg)/ti
                    3989 FSH/TI
                    7458 LH/TI
                    3078 HCG/TI
10 S5 AND (FSH CR LH CR HCG)/TI
          56
 ? t s6/3. ab. kwic/all
6/3, AB, KWIC/1
DIALCC(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
 11876611 PM D: 8796182 [Value of high-dose pure FSH in the treatment of idiopathic male
infertifity]
Interctifty]
Interct de la FSH pure a forte dose dans le traitement de
l'inferfilite masculine idiopathique.
Iacono F; Barra S; Montano L; Lotti T
G'inique Urologique, Faculte de Medecine de Catanzaro, Universite de
Paggio Calabre, Naples, Italie.
    Journal d'urologie (FRANCE)
int Journal Code: 8006503
                                                      1996. 102 (2) p81-4. ISSN 0248-0018--
   int Journal Coole: 8บบอบอ
Publishing Model Print
Document type: Clinical Trial; Controlled Clinical Trial; English
stract; Journal Article; Randomized Controlled Trial
 Abstract: Journal
Abstract; Journal Article; Random zed Controlled Irial Languages; FFENDH Main Otation Owner; N.M. Mecord type: MEDLINE; Completed Several, more or less successful, medical treatments have been proposed for idiopathic male infertility. We assessed the effect of high-dose FSH (150 IU) in patients with idiopathic oil gosperm ain comparison significant rise in spermal ozoid concentration (p < 0.0001), mobility (p < 0.0001) and morphology (p < 0.0007).
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[Value of high-dose pure FSH in the treatment of idiopathic male
infertility]
Interet de la FSH pure a forte dose dans le traitement de l'infertilite masculine idiopathique.
Several, more or less successful, medical treatments have been proposed for idiopathic male: infertility. We assessed the effect of high-dose fSH: (150 IU) in patients with idiopathic oligospermia in comparison
therapy -- DT
 6/3, AB, KW C/2
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
10907028 PM D: 8147183
                advantages does treatment with highly purified FSH have in
     [What
infertility?]
Welche Vorteile bringt eine Behandlung mit hochgereinigtem FSH bei
unerfulltem Kinderwunsch?
Breckwoldt M. Nieschlag E. Funnebaum B. Schneider H.P. Zentrum fur Frauenheitkunde, Westfallsche Wilhelms-Universitat, Munster, Bundesrepublik Deutschland.
Zentralblatt für Gynakologie (CEFMANY) 1994, 116 (1) p56-7, ISSP
0044-4197-Print Journal Code: 21820100R
Publishing Model Print
Document type: Consensus Development Conference; Journal Article; Review
Languages: CEFMAN
                                                                               1994, 116 (1) p56-7, ISSN
   Languages: ŒRMAN
Main Citation Owner: NLM
   Record type: MEDLINE; Completed
                advantages does treatment with highly purified FSH have in
infertility?]
Welche Vorteile bringt eine Behandlung mit hochgereinigtem FSH bei
unerfulltem Kinderwunsch?
unerruitem in nonewunschr
Descriptors: 'Follicle Stimulating Hormone-radministration and
dosage-AD, 'infertility, Female--therapy--TH, Fertilization in Vitro
; Humans; Infant, Newborn; Infertility, Female--etiology--ET;
Luteinizing Hormone--blood--BL; Ovulation Induction; Pregnancy
 6/3, AB, KW C/3
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
09272025 PM.D. 2485730 Teatment of intertility of hypothalamic origin in women by means of pulsatile LH-PH administration. Grabinski M. Bolanowski M. Zalewski J.; Milewicz A. Endokrynologia Polska (PCLAND) 1989, 40 (6) p285-9, ISSN 0423-104X-PF.int Journal, Ode: 0370674
   Publishing Model Print
   Publishing Model Print
Document type: Cinical Trial; Journal Article
Languages: ENCLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed
Treatment of infertility of hypothalamic origin in women by means of pulsatile LH-RH administration.

Descriptors: Conadotropin-Releasing Hormone--administration and
Descriptors: "Conadotropin-Releasing Hormone-administration and dosage-AD, "Hypothal and c Diseases-complications-OQ, "Infertility Female-drug therapy-DT; Adult; Conadotropin-Releasing Hormone-deficiency
--DF; Hormones--administration and dosage--AD; Humans;
infertility, Female--etiology--ET; Infusion Pumps; Infusions,
Intravenous--instrumentation--IS; Infusions, Intravenous--methods--MI
  6/3, AB, KW C/4
DI ALCG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
08270832 PM D: 3556332
     [Successful treatment of female is settility of hypothalamic origin
using pulsed administration of gonadotropin-releasing hormone (LHTH)
Skuteczne i eczenie nieplodności kobiecej pochodzenia podwegorzowego za
pomoca pulsacyjnego podawania hormonu uwalniajacego gonadotropiny (LH
   - - Print
   Publishing Model Print
   Document type: Case Reports; English Abstract; Journal Article
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Languages: POLISH
        Main Citation Owner: NLM
        Record type: MEDLINE: Completed
            [Successful treatment of female infertility of hypothalamic origin
 using pulsed administration of gonadotropin-réleasing hormone (LH라)
skuteczne i eczenie nieplodnosci kobiecej pochodzenia podwegorzowego za
pomoca pulsacyjnego podawania hormonu uwalniajacego gonadotropiny (단원
 Descriptors: *Gonadotropin-Releasing Hormone--administration and dosage--AD, *Intertility, Female--drug therapy--DT, Adult; Humans; infertility, Female--drugy--ET; Infusions, Intravenous
   6/3, AB, KW C/5
 DIALOG(R) File 155: MEDLINE(R)
 (c) format only 2008 Dialog. All rts. reserv.
           177017 PM D: 3099447
HDG and HMG treatment of male infertility with pituitary
 08177017
 nroblems
        Usui T; Ishibe T; Matsumoto S
Urology (UNITED STATES) Jan
                                y (UNITED STATES) Jan 1987, 29 (1) p50-3, ISSN 0090-4295-
Journal Code: 0366151
 Print
        int Journal Code: 0366151
Publishing Model Print
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed
        A case is presented of a twenty-nine-year-old acromegalic man with sexual
A case is presented of a twenty-nine-year-old acromegalic man with sexual problems and fertility disturbance due to pituitary adenoma, who successfully tanhead. Various endocrinologic studies, skill x-ray min and the studies of the
became pregnant five months later.
                            and HMG treatment of male infertility with pituitary
 problems.
problems and fertility disturbance was secondary in origin. One month after transphenoidal pitultary adenectory, administration of human chorionic gonadotropin and human menopausal gonadotropin was started. Hs potency was improved immediately.

Hs potency was improved immediately.

Descriptors: Adenoma-complications-○○○ "Chorionic Gonadotropin Liestings with the properties of the control of t
; Acromegaly--etiology--ET; Adult; Humans; Infertility, Male
   6/3, AB, KW C/6
 DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
                                         PM D: 3086957
[A new therapeutic approach to imfertility in polycystic ovaries: pure FSH
 Une nouvelle approche therapeutique de la sterilite dans les ovaires
polykystiques: la F⊠tpure.
D'apier-Faure E
        Revue francaise de gynecologie et d'obstetrique (FRANCE) Apr 1986, 81
4) p179-84, ISSN 0035-290X--Print Journal Code: 0411346
        4) p179-84, ISSN 003
Publishing Model Print
        Document type: English Abstract; Journal Article
Languages: FRENCH
         Languages:
        Main Citation Owner: NLM
Record type: MEDLINE: Completed
 Current, improved understanding of the physiopathology of polycystic ovary syndrome offers the possibility of more suitable treatment. Formerly,
 objectives differed for a given patient: re-establish regular cycles using
on yeurives or interest for a given parient. Feestantish right at cycles using projectogens or estroprojectogens, reduce hirsulism with antiandrogens, frigger ovulation. Comid is the inducer of choice, but setbacks occur. Injectable gonodotropins were, in principle, a contraindication due to the high incidence of excess stimulation and multiple pregnancy. The introduction of purified FSH offers another method of stimulation.
```

Severe excess stimulation is eliminated with a suitable protocol involving administration of small doses. This offers hope, but as yet no new therapeutic approach to imfertility in polycystic ovaries: pure FSH Une nouvelle approche therapeutique de la sterilite dans les ovaires polykystiques; la FSH pure.

large-scale trial has been published.

```
... due to the high incidence of excess stimulation and multiple pregnancy. The introduction of purified FSH offers another method of stimulation. Severe excess stimulation is eliminated with a suitable
  protocol involving administration of small doses. This offers hope,
  but as yet no large-scale trial has been...

Descriptors: "Follicle Stimulating Hormone--therapeutic use--TU;"
infertility, Female-drug therapy--DT; "Polycystic Ovary Syndrome
 infertility,
  -- compl i cat i ons-- CO
    6/3 AB KW C/7
  DIALOG(R) File 155; MEDLINE(R)
  (c) format only 2008 Dialog. All rts. reserv.
 05158652 PM D: 783018
[Effect of short-term administration of LH-HR in male
infertility on hormonal and seminal parameters]
Welyw krolkotrwalego stosowania LH-RH na niektore parametry
  endokrynol ogi czne i semi nol ogi czne w przypradkach ograni czonej pl odności u
 mcezczýzn
Frajoli F: Dondero F
        Ginekologi a poliska (POLAND)
                                                                                                          1976, 47 (6) p655-62, ISSN 0017-0011--
        int Journal Code: 0374641
Publishing Model Print
  Print
        Document type: English Abstract; Journal Article
Languages: POLISH
        Main Citation Owner: NLM
Record type: MEDLINE; Completed
           [Effect of short-term administration of LH-HR in male
 infertility on hormonal and seminal parameters]
Wolyw krotkotrwalego stosowania LH-FH na niektore parametry
  endokrynol ogiczne i seminol ogiczne w przypradkach ograniczonej plodności u
  mcezczýzn
     6/3, AB, KW C/8
  DI ALCO R) Fi I e 155: MEDLI NE( R)
  (c) format only 2008 Dialog, All rts, reserv.
  05012192 PM D: 766699
  [Male hypogonadotrophic hypogonadism
infertility with HMG+HCG (author's transl)]
                                                                                                                                                                   successful treatment of
 The strifty with many Fact qualitor's trainsty in success du traitement distriction and the striction of the striction and the striction a
                                                                                                                                                        succes du traitement de la
       Doubs-excb--Print Journal Code: 0116744
Publishing Model Print
Document type: Case Reports; English Abstract; Journal Article
Languages: FFENCH
Main Oftation Owner: NLM
        wain Citation Owner: NLM
Record type: MEDLINE; Completed
Ten typical cases of missing
Record type: MEDLINE: Completed Ten typic cal cases of male enunchoid ism (two with anosmia) are reported. After administration of clomfene citrate to five patients there was no change in blood levels of gonadortophins in four cases; in the fifth, a small and transitory increase of LH was noted. The intravenous LH in all cases and service of LH was noted. The intravenous LH in all cases and service misses of service the dysfunction is possibly hypothal and c with secondary gonadortophic pituitary insufficiency. Among six patients desiring paternity, prolonged treatment (for 36 to 98 weeks), with MCQ 1700-7000 I. U. weekly) + HMG 165-825 I. U. PSG weekly) resulted in the appearance of spermatoxal in the seminal fluid in five cases and a pregnancy was obtained in four cases.
 [Male hypogonadotrophic hypogonadism successful treatment of infertility with hMG + KG3 (authors transil).

Ten typical cases of male eunuchoidism (two with anosmia) are reported. After administration of clomifene citrate to five patients there was.
                                                                                                                                                                successful treatment of
   no change in blood levels of genadotrophine in four cases; in the fifth, a 
small and transitory increase of LH was noted. The intravenous 
injection of LH∓H (100 mc) to five patients induced an increase of serum 
LH in all cases and serum FSH in three cases. The initial site
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1.57 In Justice and Service in 1.58 bit himself assets with executory condotrophic privilery providing to 1.58 weeks), with HCQ1700-7000 I. U. weekly) + HMQ treatment (for 36 to 38 weeks), with HCQ1700-7000 I. U. weekly) + HMQ (450-825 I. U. FSQ weekly) resulted in the ...

6/3, AB,KWiC/9 DIALOC(R)File 155:MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

04612184 PM D: 4363158

```
Long-term therapy with low-dose cisclomiphene in male infertility:
 effects on semen, serum FSR LR testosterone ond estradiol.
 and car bohydrate tolerance.
    Reyes FI; Fairman C
 International journal of fertility (SWEDEN)
ISSN 0020-725X--Print Journal Code: 0374717
                                                                               1974, 19 (1) p49-55,
    Publishing Model Print
    Document type: Journal Article; Review
Languages: ENGLISH
    Main Citation Owner: NLM
    Record type: MEDLINE; Completed
 Long-term therapy with low-dose cisclomiphene in male infertility: effects on semen, serum FSR LR testosterone ond estradiol,
effects on semen, serum FSH, LH, testosterone ond estradiol, and carbohydrate tolerance.
Descriptors: "Carbohydrate Metabolism "Estradiol-blood-BL, "Follicle Stimulating birrone-blood-BL, "injertility, Male-drug therapy-DT, "Lutein izing hormone-blood-BL, "Semen-drug effects-DE," Testosterone-blood-BL, Cell Movement, O om phene-administration and dosage-AD of O off phene-pharmacology-PD, O om phene-therapeutic use-TU, Gucose TO erance Test; Humans, Insulin...
  6/3, AB, KW C/10
 DIALOG(R) File 155: MEDLINE(R)
 (c) format only 2008 Dialog. All rts. reserv.
                PM D: 4575636
      Therapeutic effect of synthetic luteinizing hormone-releasing hormone (
 LH-RH) in male istertility due to idiopathic azoospermia and
     gospermia.
Schally A V Valdes-Vallina F; Conzale: Schally A V Fertility and sterility (UN TED STATES)
                      Valdes-Vallina F; Gonzalez A; Perez-Ubierna C; Canales E S;
    Publishing Model Print | Dournal Code: 0372772
                                                                      Jun 1973. 24 (6) p485-6.
    Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
    Record type: MEDLINE; Completed
Therapeutic effect of synthetic luteinizing hormone-releasing hormone (
 ol i gosper mia.
                                                 Male--drug therapy--DT; *Luteini:
t *Pituitary Hormone-Releasing
 Descriptors: *Intertility, N.
Hormone--therapeutic use--TU:
                                                                                           *Luteinizing
Aeleasing Hormones
Adult: Blopsy Cell Count: Conadotropins-urine-URF Humans; infettility, Male-pathology-PA; Injections, Intramuscular; Leydig Cells; Mitosis; Pituitary Hormone-Peleasing Hormones-administration and dosage-AD; Seminal Vesicles-abnormalities-AB; Spermatozoa-drug effects-DE; Testis-pathology-PA
Set
S1
             Item
                          Description INFERTILITY AND (ADM NISTER OR ADM NISTRATION) AND (FSH OR
               1146
                     LH OR HOG)
 S2
                 496
                          $1 AND PY>1998
$1 NOT $2
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S3 AND INFERTILITY/TI
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                  ea.
                          SS AND (FSH OR LH OR HOG)/TI
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650 S3
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                             FEMALE(WI NFERTI LI TY
S3 AND FEMALE() I NFERTI LI TY
                     946
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  7/3, AB/1
 DIALOG(R) File 155: MEDLINE(R)
 (c) format only 2008 Dialog. All rts. reserv.
 12253097 PM D: 9176463
    A prospective randomized comparison between long and discontinuous-long of ocols of gonadotropin-releasing hormone agonist for in vitro
 protocol s
  ertilization.
    Fujii S; Sagara M, Kudo H; Kagiya A; Sato S; Saito Y
Department of Costetrics and Gynecology, Hirosaki University School of
Medicine, Aomori, Japan.
Fertility and sterility (UN TED STATES) J
ISSN 0015-0282-Print Journal Code: 0372772
                                                                       Jun 1997. 67 (6) p1166-8.
    Publishing Model Print
Document type: Clinical Trial: Comparative Study: Journal Article:
```

Randomized Controlled Trial Languages: ENGLISH Main Citation Owner

Main O tation Owner: N.M. Record type: MEDLINE: Completed CDLECTIVE: To investigate the efficacy of a discontinuous-long protocol CDLECTIVE: To investigate the efficacy of a discontinuous-long protocol in an IVP program DESIGN. Prospective randomized study. SETTINA University hospital: PATIENT(S): Che hundred thirty-seven IVF cycles of 92 patients: in an outpatient! ViP program from April 1995 to December 1995. INTERVENTION S): In the discontinuous-long protocol group (n = 68), GhPH agonist (GhPH-a) was administered from the Iuteal phase until cycle day? agonist (GhH-a) was begun. when pure FSH administration was begun. when pure FSH administration was begun. The day become group (n = 69) GhH-a was administered until the day become group (n = 69) GhH-a was administration. MNN OUTCOME MEASURE(S): Strumt Litable and overlain outsile. administration was begun. In the long protocol ১), সেলান was administered until the day before ১০০০

steroid hormone levels, and IVF outcome. RESULT(S): The period and the total dosage of hMG were increased in the discontinuous-long protocol group. Although the fertilization rate was similar under both protocols, group. Actious the tertilization rate was similar under both protocols, the number of embryos transferred was smaller and the cancellation rate was higher in the discontinuous-long protocol group because of the greater failure of occyte retrieval and fertilization. Serum E2 levels in the late Tollicular phase were lower in the discontinuous-long protocol group. CDNQLUSICN (S). Early discontinuous-lon of GnR+a is not beneficial because of its adverse effects on follicular development.

7/3. AB/2 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

11826900 PM D: 8671501 Endometrial thickness as a predictor of pregnancy after in-vitro fertilization but not after intractoplasmic sperm injection. Ranald it, Lisi F, Ploccari A; Lisi R, Pepe Q, Fishel S

Hadden H. List view occur in Flooration of the Productione, Casa di Cura Ni Bernes 27 Via Europe 18 per 18

Publishing Model Print Document type: Comparative Study; Journal Article Languages: ENGLISH

Main Citation Owner

Main Citation Cover: N.M. Record type: MEDLINE; Completed An ultrasonographic evaluation of the endometrium was performed in 158 patients undergoing ovarian stimulation for an in-vitro assisted patients undergoing ovarian stimulation for an in-vitro assisted undergoing in-vitro fertilization (IVF) for female indications and in 49 patients undergoing in-tracytoplasm cyserm injection (ICSI) for male indications. The maximal endometrial thickness was measured on the day of human chorolics gonadotrophin (MCO) administration by

indications. The maximal endometrial thickness was measured on the day of human chorionic gonadotrophin (HCS) administration by longibilities of the userus on the frozon image using electronic the law of the day of the userus on the frozon image using electronic the level of the fundus. Cases in which the endometrial thickness was $\lambda=10$ mm were included in group A; cases in which the endometrial thickness was $\lambda=10$ mm were assigned to group B. The age of the patients, serum 17-beta osetradiol concentrations on the day of HCS administration, the concentrations on the day of HCS administration, the concentrations per follicle on the day of HCS and the number of entry ost transferred were analysed in each case. When comparing endometrial thickness was a festively in the concentrations of the concentration of th In the percentage of two pattern must rin encountry unwhen compared with colly pattern as a first pattern as

7/3 AB/3 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

11772875 PM D: 8777340 Early timed folli Early timed follic hyperstimulation syndrome. follicular aspiration prevents severe ovarian

Tomazevic T; Meden-Vrtovec H of Costetrics and Gynecology, University Medical Centre Department Ljubljana, Slovenia. Journal of assisted reproduction and genetics (UN TED STATES)
13 (4) p282-6, ISSN 1058-0468--Print Journal Code: 92064 Journal Code: 9206495

Publishing Model Print Document type: Clinical Trial; Journal Article Languages: ENGLISH Main Citation Owner: NLM Record type: MEDLINE; Completed

COSE: Early timed follicular aspiration (ETFA) of one ovary 10-12 hr administration of chorionic gonadotropin (hCG) is an atter stdministration of chorionic gonadotropin (hOQ is an attempt to prevent severe ovarian hyperstimulation syndroms (ORS). After the Introduction of early timed follicular aspiration ETFA of one ovary in registered in the Libblish and the ETFA of the Company of the Company

IVFET cycles at might is not severe of the s October 100 th n NMC NGC and in GnPHu/MGC NGC induced 19F/ET opcles. bo difference in live birth rate (16 vs. 16%) between the two groups was noted. CCNQLISIONS: Considering these results we conclude that ETFA is another successful option to decrease the incidence of severe CMS in assisted reproduction. The preventive effect of follicular aspiration

7/3. AB/4 DIALOG(R) File 155: MEDLINE(R)

(c) format only 2008 Dialog, All rts, reserv.

11003937 PM D: 8036387

seems to depend on its timing.

UTread monominor of simile infertility due to hyperandrogenism] Traitement des infertilites fem nines par hyperandrogenie. Cordray J.P.; Sboulet B; Merceron R.E.; Guillerd X; Mys.P. Service d'Endocrinologie, Diabetologie, Nutrition, Hopital Notre-Dame de

Bon Secours, Paris. Revue francaise de gynecologie et d'obstetrique (FRANCE) 5) p255-66. ISSN 0035-290X--Print Journal Code: 0411346 May 1994, 89

Revue francaise 5) p255-66 ISSN 0035-290X--Firm Publishing hodel Print Document type: English Abstract; Journal Article; Review Indusques: PRESSURVE N.M.

Document Type: English Abstract; Journal Article; Review Languages: FERNOH Main Otation Owner: N.M. Record type: MEDLINE; Completed Fernoment of the Complete the possibility of multiple prognancies: use of purified FSH reduces, though not sufficiently, the risks of multiple found muturation but does not greatly increase the overall pregnancy rate; the slow protocol with purified FSH reduces the incidence of multiplicitical reduces. print matter and the state of t t echni ques.

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7/3. AB/5
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog, All rts, reserv.
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PM D: 12284661 Record Identifier: 8021128; 00212526 infertility: a health problem in the Muslim world. Serour GI: El Char M, Mansour R T

Population sciences (Cairo, Egypt) (EGYPT) Jan 1991, 10 p41-58, Journal Code: 9425997

Publishing Model Print TJ: PCPULATION SCIENCES

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Document type: In Vitro; Journal Article
                           Languages: ENGLISH
                        Main Citation Owner: PIP
                        Other Citation Owner: IND: POP
                           Abstract Source: PIP
     Abstract Source: HP Record type: MEDLINE: Completed Between November 1980: August 1989, physicians in Cairo, Egypt followed 1888 infertile couples. The study reported the extent of infertility, its etiology, and problems related to its management. Primary and secondary infertility, affected 70.7% and 29.3% of the couples, respectively.
The energy of the control of the con
  embryo transfer (ET) in 256 patients, artificial insemination with husband's capacitated serm along with ovulation induction in 144 couples, intrauterine synechia and septa via hysteroscopy in 17 patients, and abdominal myomectomy in 57 patients. The follow-up pregnancy rate for 523 microsurgery patients was 55.2% and 38% went ull term Only 51-63% of the couples could afford to pay for IVF and ET, induction/monitoring of ovulation, or artificial insemination with husband's spermall of which only the private sector provided. Patients had to wait for laparoscopy and set of the provided of the provided provided by the provided by the
                7/3, AB/6
        DI ALCG(R) File 155: MEDLI NE(R)
        (c) format only 2008 Dialog. All rts. reserv.
        09307559 PM D: 2485374
                        [In vitro fertilization program Preliminary results]
Programa de fecundacion in vitro. Resultados preliminares.
                        Crisosto C: Cheviakoff S: Vera J A: Rutllant J: Arquello B: Romero C:
        Barros C
             Cinica de Diagnostico Gineco-Obstetrica de Santiago.
Revista chilena de obstetricia y ginecologia (CHILE) 1989, 54 (6)
9375-80; discussion 380-1, ISSN 0048-766X-Print Journal Code: 0404260
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                           Publishing Model Print
        transvaginal puncture under ultrasonographic control. For oocyte and embryo
     identification and classification, spermatozoa separation and capacitation and gamete insemination and incubation procedures habitual techniques were
     employed. Pronuclear embryo tubal transfer was performed through a laparoscope 17 hours after insemination and embryo transfer to the uterine
     laparoscope 17 hours after insemination and embryol transfer to the uterine cavity after 48 hours. Nine of 10 patients responded to gonadotrophin cavity after 10 patients responded to gonadotrophin patient in uterior children 450 (81.15% of which were embryoned 550 (81.15% of which were embryoned 550 (81.15% of which were embryoned 550 (51.15% of which
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7/3. AB/7 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

⁰⁸²⁷⁰⁸³² PM D: 3556332 [Successful treatment of female infertility of hypothal amic origin using pulsed administration of gonadotropin-releasing hormone

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(LHBH)1
       Skuteczne leczenie nieplodności kobiecej pochodzenia podwzgorzowego za
 pomoca pul sacvi nego podawania hormonu uwal niai acego gonadot ropiny (LH
       Gabinski M. Bolanowski M. Zalewski J; Zbrog U
Gnekologia polska (PCLAND) Jan 1987, 58 (1) p11-6, ISSN 0017-0011
Print Journal Code: 0374641
        Publishing Model Print
       Document type: Case Reports; English Abstract; Journal Article
Languages: PCLISH
       Main Citation Owner: NLM
Record type: MEDLINE: Completed
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 >>>Term "ALL" is not defined in file 155 and is ignored
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       5502987 PM D: 17964574
Role of gap in the control of the control o
 26502987
 Role of gap junctions and protein kinase A during the development of occyte maturational competence in Ayu (Plecoglossus altivelis). Yamamoto Yoji; Yoshizaki Goro; Takeuchi Toshio; Soyano Kiyoshi; Patino
Reynal do
Depart ment
 Department of Marine Biosciences, Tokyo University of Marine Science and 
Technology, 4-5-7 Konan, Mnato-ku, Tokyo 108-8477, Japan. 
General and comparative endocrinology (United States) Feb 1 2008, 
155 (3) 9789-95, 1580
       וסט (3) p./x9-95, ISSN 0016-6480-TPrint Journal Code: 0370735
Publishing Model Print-Electronic Cocument type: Journal Article; Research Support, U.S. Gov't, Non-P.H.S.
Languages: ISNJ ISH
       Main Oftation Owner: NLM
Record type: MEDLINE; Completed
Record type: MEDLINE; Completed Midital resembling in the design of the session of the most of the mos
  inhibitor carbenoxolone (CBX) and 18alpha-glycyrrhetinic acid (alpha-GA) on
the L∺(hCG)-dependent acquisition of CMC and on
 M H (17, 20 bet a-dihydroxy-4-pregnen-3-one)-dependent
                                       eta-dihydroxy-4-pregnen-3-one)-dependent meiotic resumption;
he cAMP content of ovarian follicles during the hCG
acquisition of CMC, and determined the effects of PK activators

    dependent

oependent acquisition of ACC, and one term ned the effects of PA activand inhibitors on NGC dependent CMC Production of follicular cAMP increased during the NGC dependent acquisition of CMC. Both GI inhibitors and the PKA inhibitor H8-dihydrochloride, but not till inhibitor GF109203X suppressed the NGC dependent acquisition of CMC.
                                                                                                                                                                                                         but not the PKC
 in a dose-dependent manner. The PKA activator forskolin induced CMC with a
similar potency to NGQ Unlike previous observations with teleosts where disruption of heterologous Gieither blocks or stimulates meiotic resumption, treatment with Giinhibitors did not affect MH-dependent
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meiotic resumption in muturationally competent follicles of Ayu. These observations suggest that ovarian GIs are essential for LF4 dependent acquisition of CMC but not for MH-dependent meiotic resumption, and that the stimulation of CMC by LH4 is mediated by cAMP-dependent PKA. They are also consistent with the view that a precise balance between GU-mediated signals (positive or negative) and oocyte maturational readiness is required for hormonally regulated meiotic resumption. DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog, All rts, reserv. PM D: 18377904 The gonadotropin receptors FSH-R and LH-R of Atlantic halibut (Hippoglossus hippoglossus)-2. Differential follicle expression and asynchronous gogenesis. Kohavashi Tamae; Pakarinen Pirjo; Torgersen Jacob; Huhtaniem IIpo; Institute of Aquaculture Research, P.O. Box 5010, 1430 Aas, Norway; Department of Animal and Aquaculture Sciences, University of Life Sciences, P.O. Box 5003, Aas, Norway. Country Sund (1997 Way (19 Record type: In Data Review The biological activity and spatio-temporal expression patterns of the gone dotropin receptors FSH-R and LH-R were examined in the repetitive spawner Atlantic halibut to elucidate the gonadotropic repetitive spawner Atlantic halibut to elucidate the gonadotropic regulation of the asynchronous follicie development. The clonder receptors were expressed in immural an COB-7 cells, and stimulation with sea FSH-R and LH-R genes were shown to be highly expressed in the gonads of sexually mature fish, but the transcripts were also found in extra-gonadal tissues such as pituitary and brain. Different expression patterns of FSH-R and LH-R in the developing follicles were documented by semi-quantitative RT-FCR Abundant FSH-R mRAW was founded to documented by semi-quantitative RT-PCR Abundant FSN+R mRNW was found in the small follicles during primary growth and vitellogenesis, and the signals were localized to the granulosa cells by in situ hybridization. In contrast, follicular LN+R mRNW was hardly detectable during the early stages. Conversely, in follicles during their local during the early stages. Conversely, in follicles during the land maturation FSN+R mRNW use properties of the early stages. The properties of the early stages as the pituitary FSN+ and LN+ are shiply asynchronously expressed in annual spawners, both gonadotropins were expressed in the female halibut pituitary throughout the reproductive cycle, except in the prepayming females. Hence, the sequential gonadotropic activation of ovarian follicle growth and muturation in repetitive spawners is probably regulated by modulating the temporal expression of FSN+R and LN+R in the follicle membranes.

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L'Aquila, 67100 L'Aquila, Italy. sandra.cecconi@cc.univaq.it Endocrinology (United States) Jan 2008, 149 (1) p100-7, ISSN

0013-7227-- Print 113-7227--Print Journal Code: 0375040 Publishing Model Print-Electronic

Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH Languages: ENGLISH Main Citation Owner: NLM Record type: MEDLINE; Completed

in this study, sheep occyte-cumulus cell complexes (CCC) derived from medium (M) antral follicles (M CCC) were in vitro matured alone or in coculture with CCC derived from small (S) antral follicles (S CCC) to investigate the contribution of cumulus cells (CC) and occytes to the process of occyte meiotic maturation; and cumulus expansion; (CS). process of oocyte meiotic maturation and cumulus expansion (CE). Experiments were conducted with or without gonadotropins (FSE) Li∮, Regardless of culture conditions, about 12% of Sococytes reached the metaphase II stage, and SCO showed a low degree of CE In contrast.

The metaphase stage, and S-CL showed all own degree of LE in contrasts in a contrast stage. An analysis of LE in a contrast stage and the contrast stage and the

inhibited when S-CCC were cocultured with M-denuded oocytes, or when Sedenucled occuptes were cocultured with M.CC. The capacity of these paracrine factor(s) to activate the MAPK pathway in somatic and germ cells paracrine factor(s) to activate the MMM-pathway in somatic and germicelistic incomplete the second of the second o acting via CC. These factors can induce MAPK activation only in S-occytes, whose meiotic arrest could be due to the inability of surrounding CC to respond to gonadotropin stimulation.

10/3 AR/4 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv. 25614633 PM D: 18028753 29514633 MM. 19029753

Orarian Heca cell's infollicular function

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Department orar fu Publishing Model Print Document type: Journal Article Languages: ENGLISH Languages: Larguages. Exactor: Main Official Completed
Record type: MEDLINE; Completed
The role of theac sells in every aspect of ovarian follicular function is reviewed. A distinguishing feature of theac sells may be their ability to initiate follicle growth on differentiation from cortical stromal cells, stimulate follicle growth by granulosa cell mitosis through FSH -induced androgen receptor, and cause androgen-stimulated receptor formation of FSH & S. Linot only stimulates androgen production by theca cells at tonic levels, but also induces morphological luteinization in addition to androgenesis at surge levels, the dual action concept of L∺ is proposed. Maturation of the selected dominant follicle and atresia, of sub-ordinate antral follicles is interpreted by this concept. Two-way signalling between occytes and somatic theca cells with growth factors is shown to play a pivotal role in preantral folliculogenesis and atresia. Thus, theca cells have a more significant

10/3, AB/5 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

role in follicular function than previously thought.

28201547 PM.D. 17714774
Effects of overlan stimulation, with and without human chorionic gonadortophin, on occyte meiotic and developmental competence in the marmoset monkey (Callithrix jacchus). Grupen C.G. Glichrist R.B. Nayudu P.L. Barry M.F. Schulz S.J. Ritter L.J.; Armstrong D.

Presence Centre for Reproductive Health, School of Paediatrics and Reproductive Health, The University of Adelaide, Adelaide, SA 5005, Australia. curypen@eiscl.usyd.edu.au 12007, 68 (6) p861-72, ISBN 0095-091X-Print Journal Code: 0421510 Publishing Model Print-Bectronic Document type: Clinical Trial; Journal Article; Research Support,

Non- U. S. Gov't

Languages: ENGLISH Main Citation Owner: NLM Record type: MEDLINE; Completed A reliable ovarian stimulation protocol for marmosets is needed to thance their use as a model for studying human and non-human primate occyte biology. In this species, a standard dose of h∞ did not effectively induce occyte maturation in vivo. The objectives of this study eriectively induce occyte maturation in vivo. The objectives of this study were to characterize ovarian response to an FSP printing regimen in the meiotic and developmental competence of the occytes isolated. Ovaries were removed from synchronized marmosets treated with FSH alone (50 were removed from synchronized marmosets treated with FSH alone (50 IUU d for 6 d) or the same FSH treatment combined with a single injection of hCG (500 IU). Cumulus-oocyte complexes (CCCs) were isolated from large (31.5mm) and smill (0.7-1.5mm) antical follicities or for the combined of the combined

blastocyst formation rate of 47% was achieved following fertilization of in vivo-matured oocytes, whereas parthenogenetic activation failed to induce development to the blastocyst stage. The capacity of oocytes to complete meiosis in vitro and cleave was positively correlated with follicle diameter. A dramatic effect of follicle size on spindle formation was observed in occytes that failed to complete meiosis in vitro. Using the combined FSH and hCG regimen described in this study, large numbers of in vivo matured marmoset oocytes could be reliably collected in

a single cycle, making the marmoset a va maturation in human and non-human primates. making the marmoset a valuable model for studying occyte

10/3 AR/6 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog, All rts, reserv.

PM D: 17391547 17597284

Spontaneous and Lift-induced maturation in Bufo arenarum occytes:

pontaneous and Lhinduced manufactor in Documents of gap junctions.

Toranzo G Sanchez, Clerino J; Zelarayan L; Bonitla F; Buhler Mi
Departamento de Bologia del Desarrollo, San Miguel de Tucuman, Argentina.

Argentina. Zygote (Cambridge, England) (England) Feb 2007, 15 (1) p65-80, ISSN 0967-1994--Print Journal Code: 9309124 Publishing Model Print Document type: In Vitro; Journal Article; Pesearch Support, Non-U.S. Gov't

Languages: ENGLISH

Main Oftation Owner: NLM Record type: MEDLINE; Completed

It has been demonstrated in Bufo arenarum that fully grown occytes are capable of meiotic resumption in the absence of a hormonal stimulus if they are deprived of their follicular envelopes. This event, called spontaneous are deprived of their follicular envelopes. This event, called spontaneous maturation, only takes place in occytes collected during the reproductive period, which have a metabolically mature cytoplasm. In Bufo arenarum progesterone acts on the occyte surface and causes modifications in the activities of important enzymes, such as a decrease in the activity of adenylate cyclase (AC) and the activation of phospholipase CPLC. PLC activation exact of the communion of diaptly preport (DAG) and nost ion the communion of diaptly preport (DAG) and nost ion the communion of diaptly preport (DAG) and nost of CPCD. PLC (DAG) and nost of the communication of the c activation eadd 3 the organization or a dayl giyeer of Level and insistor.

Proceeding the control of the contr trom Bufo areanzum show that progesterone induces maturative in wears significant modifications in the level and composition of neutral lipids and phospholipids of whole fully grown ovarian occytes and of enriched fractions in the plasma membrane. In amphibians, the luteinizing hormone (LH) is responsible for meiosis resumption through the induction of progesterone production by follicular cells, the aim of this work was to be considered in the similar than work was to induced maturation in Bufo areanzum ocytes. During the reproductive period, Bufo areanzum ocytes are capable of undergoing spontaneous maturation in a similar way to mammalian ocytes while, during the non-reproductive period, they exhibit the behaviour that is characteristic of amphibian ocytes, requiring progesterone stimulation for meiotic resumation (incapable ocytes). The control of the memorial and composition of memorial and composition of memorial and composition of memorial and composition. from of amphibian occytes, requiring progesterone stimulation for meiotic resumption (incapable occytes). This different ability to mature spontaneously is coincident with differences in the amount and composition of the phospholipids in the occyte membranes. Capable occytes exhibit in their membranes higher quantities of phospholipids than incapable occytes, especially of PC and PI, which are precursors of second messengers such as DAG and PR(3). The uncoupling of the gap junctions with i-octanol or hall othane falls to induce maturation in follicles from the non-reproductive period, whose occytes are incapable of maturing spontaneously. However, if capable of undergoing spontaneous maturation, meiosis resumption occurs in high percentages, similar to those obtained by manual defolliculation. Interestingly, results show that LHIs capable of inducing GVBD in Interestingly, results show that LH is capable of inducing GMBU in both incapable occytes and in occytes capable of maturing spontaneously as long as follicle cells are present, which would imply the need for a communication pathway between the occyte and the follicle cells. This possibility was analysed by combining LH freatment with uncoupling agents such as 1-octanol or halothane. Results show that maturation induction with LH requires a cell-cell coupling, as the uncoupling of induction with Lift equires a cell-cell coupling, as the uncoupling of the gap junctions decreases GMED percentages. Experiments with Lift in the presence of heparin, BAPTW AM and theophylline suggest that the hormone could induce GMED by means of the passage of 1P(3) or $Ca(2^+)$ through the gap junctions, which would increase the $Ca(2^+)$ level in the cocyte cytoplasm and activate phosphodiesterase (P0E), thus contributing to the

decrease in cAMP levels and allowing meiosis resumption.

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^{10/3,} AB/7 DIALOG(R) File 155: MEDLINE(R)

¹⁷¹⁰⁴⁷⁵¹ PM D: 16595009

Comparative maturation of cynomologus monkey opcytes in vivo and in vitro.

Yin Hang; Duffy Diane M, Gosden Roger G

The Jones Institute for Reproductive Medicine, Department of Obstetrics and Gynaecology Eastern Virginia Medical School, Norfolk, VA 23507, USA Hay2003@med.cornell.edu

Reproductive biology and endocrinology - RB&E (England) 2006, 4 p14, ISSN 1477-7827--Electronic Journal Code: 101153627 Contract/Grant No.: HD99872; HD; United States NICHD

Publishing Model Electronic
Document type: Comparative Study; Journal Art
N.I.H., Extramural; Research Support, Non-U.S. Gov't Article: Research Support. Languages: ENGLISH

Main Citation Owner: NLM Record type: MEDLINE; Completed BACKGROUND: In vitro matur maturation (IVM) of oocytes followed by fertilization in vitro (IVF) and embryo transfer offers an alternative to conventional IVF treatment that minimises drug administration and avoids conventional VF treatment that minimises drug administration and avoids ovarian hyperstimulation. However, the technique is less efficient than maturation in vivo. In the present study, a non-human primate model was used to address the hypothesis that the number of occytes is increased and their nuclear and cytoplasmic maturity after VM are improved when adult cynomic users and cytoplasmic maturity after VM are improved when adult cynomic users were given recombinant human (rh) genadot ropin sto stimulate the development of multiple follicles, and occytes were applied to the control of the control o Nuclear maturation after the full period in culture was also enhanced by priming: 71.5, 83.6, and 94.6% of occytes collected at 0, 12, and 24 h hCG had progressed to MI by the end of the culture period, compared to 87.8% of occytes that were retrieved at 36 h. Alarge proportion of oocytes that occytes reaching the MI stage had either or both abnormal spindles (>40%) ned chromosomes (>60%), judging by immunofluorescence but these abnormalities were independent of culture time. The misal i gned m croscopy, microscopy our energy and or making were interpretable of the control of the cont

10/3, AB/8 DIALOG(R) File 155: MEDLINE(R)

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16920540 PM D: 16297918

kamei@marine.fs.a.u-tokyo.ac.jp General and comparative endocrinology (United States) Apr 2006 (2) p83-90, ISN 0016-6480-Print Journal Code: 03/0735 Publishing Model Print Teletronic Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: PSALISH Apr 2006. 146 (2) p83-90,

Main Citation Owner: NLM Record type: MEDLINE; Completed

To clarify the physiological functions of follicle-stimulating hormone (FSH) during organists in Japanese and Anguilla in the control of the

To clarify the physiological functions of follicle-stimulating hormone (FSH) during nogenesis in Japanese sel, Anguilla japonica, the FSH) clarified and the self-stimulating properties of the self-stimulating s vitellogenic oocytes, and rjeFSH did not induce sex steroid secretion.
Testosterone (T) secretion was stimulated by rieFSH in the type-Bovary Test ost er one with developed theca cells and undeveloped granulosa cells around arrived in divitellogenic occytes, whereas estradiol-17beta (E2) secretion was not enhanced. The rjeFSH stimulated both T and E2 secretion in a dose-dependent manner from the type-C ovary with fully developed theca and granulosa cells around mid-vitellogenic oocytes. Salmon GTH fraction (sGTH) and a membrane permeable cAMP analogue, 8-bromo-cAMP (8-Br-cAMP) also enhanced T secretion from the type-C ovary. Human chorionic gonadotropin (hoos) similarly enhanced T secretion, but failed to stimulate E2 secretion 8-bromo-cAMP (8-Br-cAMP) also enhanced T and E2

similarly ennanced isecretion, out failed to stript as a Execretion from the type-C ovary, suggesting different effects on steroidogenic activities between eel FSH and hCQs in eel ovary. There was a positive correlation between the ocyte diameter and Execretion from eel ovaries stimulated by rjeFSH. These results suggest that aromatase activity is accelerated by eel FSH in the granulosa cells, which develop

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10/3. AB/9

DIALOG(R) File 155: MEDLINE(R)

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Wang Fengchao; Shen Yue; Song Xiaoming; Xia Guoliang; Chen Xiu; Zhou Bo;
      College of Biological Science. China Agricultural University. Beiling. PR
 Chi na.
   Biological & pharmaceutical bulletin (Japan) Mar:
p430-6, ISSN 0918-6158--Print Journal Code: 9311984
                                                                                                                                 Mar 2006, 29 (3)
       Publishing Model Print
                              type: In Vitro; Journal Article; Research Support, Non-U.S.
      Document
 Gov' t
      Languages: ENGLISH
      Main Citation Owner: NLM
Record type: MEDLINE; Completed
Hecord type: McLU.ne; completed McS), the intermediate of cholesterol biosynthesis, is an important substance to stimulate occytes maturation in FSM-induced signal transduction pathway. Lonosterol 14alpha-demethylase (CYP51) converts lanosterol to MAS. Although MAS is
firstly isolated from bovine testis, the information about bovine CYPSI gene and its expression is little. In present studies, the cDNA cloning,
 genomic structure, chromosomal mapping, and expression patterns of bovine CYP51 were demonstrated. The cDNA coding bovine CYP51 contains a 1509 bp
OTPS) were demonstrated. The CLNA coding boyine OTPS contains a 1899 by open reading irrans and a 1119 bb 3 untranslated region. And the boyine open reading irrans and a 1119 bb 3 untranslated region. And the boyine RE5000 panel boyine CYPS1 is mapped to chromosome 4 (OcR). The sequenced promoter region is TATA-less and contains several inquity conserved regulatory elements, such as GC-box, cAMP-responsive elements (CTES, sterol regulatory element (STE), which is important fragment for its transcription.
regulatory element (SRE) which is important fragment for its transcription. No evidence of processed pseudogenes is found using long PCR and Southern blot. Northern blot analysis reveals that an approximately 2.7 km PRM is expressed in all the xam med bovine tissues, while a 1.8 km PRM is lacound only in the mature bovine testis where the MPC is accoundated, of the CPTS protein in testis. Among different stages follicles it is localized primarily to the occytes with the level varying slightly. Granulosa cells of primordial, primary and secondary follicles show background staining. While granulosa cells facing the antrum and cumulus granulosa cells of primordial, primary and secondary follicles show background staining. While granulosa cells facing the antrum and cumulus granulosa cells of primordial, primary and secondary follicles show background staining. While granulosa cells facing the antrum and cumulus granulosa cells of antral follicles show considerably heavier staining. The highest level is expressed in corpus lutes. These data indicate a stage-accessed is type-specific expression of CPTS protein in bovine
cogenesis.
   10/3. AB/10
 DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
 16720859
                          PM D: 16322539
      Stops and starts in mammalian oocytes: recent advances in understanding
 the regulation of meiotic arrest and occyte maturation.
      Mehlmann Lisa M
      Department of Cell Biology, University of Connecticut Health Center, 263
armington Ave., Farmington, Connecticut 06032, USA.
 Farmington
 Imehiman@neuron. uchc. edu
      Reproduction (Cambridge, England) (England) Dec 200:
5791-9, ISSN 1470-1626--Print Journal Code: 100966036
                                                                                                                               Dec 2005. 130 (6)
   p791-9.
      Publishing Model Print
      Document
                              type: Journal Article; Res
                                                                       Article; Research Support, N.I.H., Extramural;
 Research Support,
       Languages: ENGLISH
      Main Citation Owner
      Record type: MEDLINE; Completed
 Mammalian oocytes grow and undergo meiosis within ovarian follicles. 
Cocytes are arrested at the first meiotic prophase, held in meiotic arrest 
by the surrounding follicle cells until a surge of tilfrom the
 pituitary stimulates the immature occyte to resume meiosis. Meiotic arrest
 depends on a high level of cAMP within the occyte. This cAMP is generated by the occyte, through the stimulation of the Qs) G-protein by the G-protein-coupled receptor. GPRS Stimulation of meiotic maturation
 by LH occurs via its action on the surrounding somatic cells rather
by Lin occurs via its action on the surrounding somatic cells father than on the occyte itself. LiH induces the expression of epidermal growth factor-like proteins in the mural granulosa cells that act on the cumulus cells to trigger occyte muturation. The signaling pathway between the cumulus cells and the occyte, however, remains unknown. This review focuses on recent studies highlighting the importance of the occyte in producing cAMP to maintain arrest, and discusses possible targets at the level of the occyte on which Litcould act to stimulate meiotic.
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cDNA cloning, genomic structure and expression analysis of the bovine lanosterol 14al pha-demethylase (CYP51) in gonads.

10/3. AB/11 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

PM D: 16123237 Protein kinases influence bovine oocyte competence during short-term treatment with recombinant human follicle stimulating hormone.

Ali Atef; Sirard Marc-Andre

Centre de Recherche en Biologie de la Reproduction (CRBR). Department of Animal Science, Laval University, Ste-Foy, Quebec, Canada, GtK.7P4.
Reproduction (Cambridge, England) (England) Sep 2005, 130 (3)
p303-10, ISSN 1470-1626--Print Journal Code: 100966036

p303-10, ISSN 1470-162 Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't Languages; ENGLISH

Main Citation Owner

Record type: MEDLINE; Completed The aim of this study was Record type: MEDLINE; Completed The aim of this study was to investigate the effect of short-term treatment (first 2 or 6 h) with recombinant human follicle-stimulating hormone (r-hBSH) during in vitro maturation (INM) on the developmental competence of bovine occytes. The roles of protein kinase A (PKA) and protein kinase C (PKC) (possibly involved in FSF response), were investigated using activators (Sp-cAMPS, PMA) or inhibitors (Rp-cAMPS, sphingosine) of these two protein kinases, respectively. The developmental competence of bovine occytes was measured by the rate of bistocyst formulation of the role of the role of the control of the control occites of the role of the control occites of the role of the role of the control occites of the role of the formation after in vitro fertilization (1VF). Our results showed that when cumulus-occyte complexes (CODS) were cultured with r-hFSH for the first 6 h, a highly significant (P < 0.0001) improvement is seen in 0 lastocyst development rate as a proportion of occytes in culture compared with those the highest dose (100 m toroM) of forskolin (an activator of adenylate cyclase) increased (P < 0.05) the rate of blastocyst formation. But the PKA inhibitors (Pp-cAMPS) did not affect the stimulatory effects of r-hFSH on the blastocyst yield. However, stimulation of PKC by low doses of PMA (0.1-0.5 m croft) during short-term treatment, enhanced (P < 0.0001) the developmental capacity of occytes, while sphingosine (a specific inhibitor of the property of the property

developmental capacity of bovine occytes in vitro can be modulated by both the PKA, and the PKC pathways, the activation of PKC during short-term treatment can mim the effect of r-hFSH on the cytoplasmic maturation in bovine occytes in vitro.

10/3. AB/12 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

PM D: 15982453 Particularities of reproduction and cogenesis in teleost fish

compared to mammals Jalabert Bernard Groupe Sexualite et Reproduction des Poissons Institut National de la Recherche Agronomique, SCPIBE, Campus de Beaulieu, 35042 Rennes Cedex, France, Bernard, Jalabert @ennes. inra.fr

Reproduction, nutrition, development (France) May-Jun 2005, 45 3) p261-79, ISSN 0926-5287--Print Journal Code: 8913069 Publishing Model Print

Document type: Journal Article; Review Languages: ENGLISH

Main Citation Owner: NLM Record type: MEDLINE: Completed Compared to mammals, teleost reproduction presents many original satures. Reproductive strategies of species are diversified into numerous features. adaptations to a large variety of aquatic environments. This diversity may concern sexuality, spawning and parental behaviour, sensitivity to environmental factors, and specific features of gametogenesis such as the environmental factors, and specific features or games openies souch as the voice of the specific or and specific or an area of the specific or and the specific or an interactions. Vitellogenesis, which represents an important metaboli effort for the maternal organism, involves the synthesis of vitellogenin, met abol i c specific glycoling in bhosphoprotein in wide cell in "the liver under egerated of sticulation, and its incorporation into occytes by a receptor mediated process. Both estracion synthesis in folicie cells and viguptake by vitel logenic follicles appear to be mainly controlled by FSH. Cocyte maturation is directly triggered by a progestin, or M S (maturation inducing steroid), synthesised in follicle cells, mainly under LH. control, and acting through the non-genomic activation of a membrane receptor. Practical applications of some of these particularities result mainly from the external character of the fertilisation process and of embryonic development, which allows manipulating respectively egg chromosome stocks and sex differentiation. Moreover, the sensitivity of sex differentiation to exogenous factors favours the development of practical methods to control the sex of farmed populations. Finally, the sensitivity reproductive mechanisms to xenobiotics has led to various kinds of bioassays for putative pollutants.

10/3, AB/13 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

16184083

3184083 PMD: 15459120 Epidermal growth factor family members: endogenous mediators of the ovulatory response.

Ashkenazi H: Cao X: Motola S: Popliker Mt Conti Mt Tsafriri A Ashkenazi H. Cao X. Motola S. Popliker M. Conti M. Isaliriri A. The Bernhard Zondek hormone Research Laboratory, Department of Biological Regulation, The Weizmann Institute of Science, Rehovot 76100, Israel. Endocrinology (United States) Jan 2005, 146 (1) p77-84, ISSN 0013-7227-Print Journal Code: 0375040 (1) Contract(7 and No.: HC20788; HD, United States NICHD, U54-HD 31398; HD,

United States NICHD

uniee states N.G-D.
Publishing Model Print-Electronic
Document type: Journal Article; Research Support, Non-U.S. Gov't;
Research Support, U.S. Gov't, P.H.S.
Languages: ENGLISH

Main Citation Owner: NLM Record type: MEDLINE; Completed

Previous studies showed that epidermal growth factor (EGF) and TGFalpha mimic the action of LH on the resumption of occyte maturation. We mimic the action of LH on the resumption of occyte maturation. We tested whether EGF-like agents, such as amphiregulin (AR), epiregulin (ER), and betacellulin (BTC), also mediate the LH stimulation of the ovulatory response in the rat. LH induced ransient follow a response in the rat. LH induced ransient follow a ransient follow and resumption of the addition of ER. AR, and BTC to the culture medium could mimic some of LH actions. AR and BTC to the culture medium fould mimic some of LH actions. AR and ER full y simulated LH induced resumption of meiosis in vitro, whereas BTC was less effective. To study the putative involvement of EGF-like factors in mediation of LH signal, the effect of the EGF receptor kinase inhibitor. AG4780 was tested. When added with LH. AG4780 was tested. inhubitor AGI476 was sisted when access with LT, AGI476, but not also copte maturation compared with folicies treated with LH only in addition to the inhibition of resumption of meiosis. AGI478 administration into the bursa (3 morog/bursa) resulted in 51% (P < 0,0005) inhibition of your country of the compared with t the treated ovaries, compared with the untreated contralateral ones, as i n well as to the vehicle-treated ovaries (P. O. 0.2). LH, as well as ER, induced the expression of genes associated with the ovulatory response like rat hyal uronan synthase-2, cyclooxygenase-2, and TN-Fal bha-stimulated dene R rat hyaluronan synthase-2, cycloxygenase-2, and TNFalpha-st mulated gene 6 mRNA, whereas AG1478 inh bited this effect of LH. Palease of EGF-like factors from the membrane is dependent on activated metalloprofeases.

tactors from the membrane is dependent on activated metalloproleases, Indeed, Galardin, a broad-spectrum metalloprolease inhibitor, but not a specific matrix metalloprotease 2 and 9 inhibitor, suppressed meiotic maturation induced by LH Conversely, meiotic maturation induced by LH Conversely, meiotic maturation induced by ER was not affected by Galardin, thus, supporting the notion that LH releases follicular membrane-bound EGF-like agents. In summary, EGF-like LH stimulation of occyte maturation, ovidatory eazyme

10/3, AB/14

DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog, All rts, reserv.

PM D: 15643685

expression, and ovulation.

[Biological assessment criteria during antagonist protocols]
Criteres d'evaluation biologique au cours des protocoles antagonistes.

Plachot M Centre Hospitalier Intercommunal Jean-Rostand, Sevres, France,

Journal de gynecologie, obstetrique et biologie de la reproduction (ance) Oct 2004, 33 (6 Pt 2) p3S32-5, ISSN 0368-2315--Print France) Journal Code: 0322206

Publishing Model Print Document type: English Abstract; Journal Article Languages: FRENCH

Main Citation Owner: NLM Record type: MEDLINE; Completed

the foreign of the property of the foreign of the f

stimulation. The recent approval of GHPH antagonists for this made indication gives clinicians some new options. In several trials performed in the property of the property o

quality and fertilization in IVF cycles with OnRH antagonists. As a result, there is no difference between OnRH agonist and OnRH antagonists concerning oocyte maturation and fertilization rates. There are very few data about the incidence of oocyte morphology anomalies in IVF cycles with antagonists.

The respective roles of gonadotrophins on follicular growth and occyte

Roles respectifs des gonadotrophines sur la croissance folliculaire et la

10/3, AB/15 DLALCQ(R) File 155; MEDLINE(R)

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maturation ovocytaire. Hillier S

(c) format only 2008 Dialog. All rts. reserv. 16129750 PM D: 15643678

Centre for Peproductive Biology, University of Edinburgh, UK.
Journal de gymecologie, obstetrique et biologie de la reproduction (
France) Cut 2014, 33 (6 Pt 2) p3S11-4, ISSN 0368-2315--Print
Journal Code: 0322206
Publishing Model Print Document type: English Abstract; Journal Article Languages: FRENCH Languages: FERNOH
Min Oftation Owner: N.M
Ricord type: MEDLINE: Completed
Around 400 follicles sequentially mature and ovulate during an average
woman's reproductive lifetime Follicular growth to the stage of antrum
dependent of androgen exposure During the follicular hashings and the stages of production. Androgens seem to be positively involved in the folliculogenesis in primates. Indeed, a positive correlation has been recently established between androgen receptor expression and follicular recently established between androgen receptor expression and runious cell proliferation. Nevertheless, Lth beyond a certain celling level, suppresses granulosa proliferation, and initiates atresia or premature. The devi Iutieniisation. The development-related response to LH shown by the pre-ovul atory follicle raises the possibility that exogenous LH might be used as an adjunct to therapy with exogenous FSH in clinical ovulation induction regimens where the aimis to induce monovoulation. Fac LH will allow the opportunity to provide LH support in a flexible and responsive way, with the possibility of fine tuning FSH action on follicular development. Availability of pure, standalone LH will allow are-evaluation of follicular stimulation based on physiological principles, leading to new treatment protocols. 10/3. AB/16 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv. 16076171 PM D: 15269103 Meiosis-activating sterol synthesis in rat preovulatory follicle: is it involved in resumption of meiosis? involved in resumption of meiosis?

Cao Xiumei; Pomerantz Saymour H; Popliker Malka; Tsafriri Alex
Bernhard Zondek Hormone Research Laboratory, Department of Biological
Regulation, The Weizmann Institute of Science, Rehovot 76100, Israel. Biology of reproduction (United States) p1807-12, ISSN 0006-3363-- Print Journal Co ted States) Dec 200-Journal Code: 0207224 Publishing Model Print-Electronic Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH Languages: ENGLISH Main Citation Owner: NLM Record type: MEDLINE; Completed Record type: MEDLINE; Completed Meiosis-activating steroi (MRS) was shown to overcome the inhibitory effect of hypoxanthine on spontaneous maturation of mouse occytes and was suggested to mediate the stimulation of meiosis by gonadortopins. Follicular fluid (FF)-MRS is synthesized by cytochrome P450 lanosterol Idalpha-demethylase (LDM, Follicular LDM was preferentially localized in occytes by immunohistochemistry. Using [34] acetate or R[5-34] meval onate as precursors as well as high-performance Iliquid chromatographic and thin-layer chromatographic separation, we have measured the concentrations of de novo-synthesized lanosterol, FF-MRS, and cholsterol in rat graafland. of de novo-synthesized lanosterol, FF-MNS, and cnoresterol, and denuded occytes (DQs) follicles, cumulus-occyte complexes (DQQs) and denuded occytes (DQs) related with Li4, AY-9944 (an inhib bit or of Del ta14-reductase, which was anticipated to increase FF-MNS levels by inhibiting its metabolism), or Delices, both Li4 and AY-9944 (more than the complex of the com both after 8 h of culture. In follicles, both LH and AY-9944 increased the accumulation of FF-MAS as compared to controls. In CCCs, increased the accumulation of re-miss as compared to controls. In CLS. AY-9944 caused a marked increase in FF-MS, but we were unable to detect accumulation of FF-MS in DCs. Neither the endogenous increases in FF-MS accumulation on the addition of FF-MS to the culture medium could overcome the inhibition on resumption of meiosis by phosphodiesterase inhibitors. Compared to LH-induced resumption on femiosis in

follicles, that induced by AY-9944 was much delayed. These results call into question any role of FF-MAS as an obligatory mediator of ξ ? activity on germinal vesicle breakdown. The discrepancy between the positive staining for LDM in oocytes and our inability to detect de novo synthesized FF-MAS in DOs may relate to the sensitivity of the methodology employed and either the number of oocytes used or a deficiency in LDM synthetic activity in such oocytes. Further studies are required to confirm any of these alternatives.

10/3, AB/17 DIALOG(R) File 155; MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

16036657 PM D: 15509704

A close correlation in the expression patterns of Af-6 and Usp9x in

A close correlation in the expression patterns or M-D and CupyA in Sertol and granulosa cells of mouse testis and overload the Masan's Tayas Shinichiro: Matsu Toshiyasu, Ishin Maki, Kawakami Hayato; Kurohmaru Masami Chi, Kaibuchi Kozo, Wed Siephen A, Hayashi Yoshi hiro Department of Veterinary Anatomy, The University of Tokyo, Yayoi 11-1-1, Dunkyo-Ku, Tokyo 113-8657, Japan.

Reproduct i on otion (Cambridge, England) (England) Nov 2004 ISSN 1470-1626--Print Journal Code: 100966036 Nov 2004, 128 (5)

Publishing Model Print
Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH

Main Citation Owner: NLM Record type: MEDLINE; Completed

Lapon, an X-linked deubiquitylating enzyme, is stage dependently expressed in the supporting cells (i.e. Sertol cells and granulosa cells) and germ cells during mouse gametogenesis. Af-6, a cell junction protein, has been identified as a substrate of kepox, suggesting a possible is stage dependently suggesting a possible association between Usp9x and Af-6 in spermatogenesis and cogenesis In this study, we examined the expression pattern of Af-6 and Usp9x and their intracel ular localization in testes and ovaries of mice treated with Their infrace user localization in testes and overless of moetreaded with or without preparant mare serum genedoropin (PMSG), an FSH-like antly observed in supporting cells, as well as in steroi dogenic cells, but not in any germ cells. In Sertoli cells, At-6 was continuously expressed throughout postnatal and adult stages, where both At-6 and Uspbx were enriched at the sites of Sertoli - Sertoli and provided the stages. enriched at the sites of Serioli-Serioli and Serioli-spermatid Junctions especially at stages XI-VI in the granulosa cells, AI-6, as well as LeppX, was highly expressed in primordial and primary it ollicles, but its life of the stage of the primordial and primary it ollicles. But its life of the stage of the primordial and primary it of the left of the stage of the stage of the late-secondary and Gradian follicles. Such in granulosa cells of the late-secondary and Gradian follicles. Such in granulosa cells of the late-secondary and Gradian follicles. Such in granulosa cells of the late-secondary and Gradian follicles. Such granulosa cells of the late-secondary and Gradian follicles. Such granulosa cells is lituriante suggest that AI-6 may be deubliquitylated by Usp6x in both Sertoli and granulosa cells. Il further suggest shatted by the secondary and control the cell adhesion dynamics in mammalian gametogenesis.

10/3, AB/18 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

15937335 PM D: 15333782

15937335 PM D. 15333782 Committee separation and glucose utilisation by bovine cumulus-cocyte complexes during in vitro maturation: the influence of glucosamine and complexes during in vitro maturation: the influence of glucosamine and Sutton-McDowall Net anies L. Glichrist Robert B. Thompson Jereny G. Research Centre for Reproductive Health, Department of Chstetrics and Cynaecology, The University of Adelaide, The Queen Bizabeth Hospital, Woodville Road, Woodville, South Australia 5011, Australia.

Reproduction (Cambridge, England) (England) Sep 28004, 128 (3)

England) (England) Sep 290-int Journal Code: 100966036 I SSN 1470-1626-- Print

Publishing Model Print Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH

Main Citation Owner

Record type: MEDLINE; Completed

Record type: MEDLINE; Completed
Glucose is an important metabolite and its presence during in vitro
ocyte maturation (IVM) can have profound effects on the ocotyte's
over a 24 h IVM period, with most accounted for as I-lacitate production.
However, as maturation proceeds, I-lacitate production remains constant,
suggesting an alternative role for glucose metabolism We hypothesised that
I-lacitate production is utilised for FSS+stimulated extracellular
metrix (EQM) synthesis. To examine precursor utilisation for synthesis of
ECM bovine cumulus-occyte complexes (COCs) were matured in 4/- FSS+
and or in glucosamine (an alternative substrate of matura components).

Measurements included CCC diameters, glucose consumption and I-lactate production in spent media and IU-(14) Glucose incorporation into ECM FSH significantly stimulated both diameter and glucose consumption during 20-24 h maturation compared with unstimulated complexes, all hough co-incubation with glucosamine and FSH decreased total glucose consumption. Included the consumption is consumption to the complexed with the first process and in the term of the consumption is the consumption is the consumption in the consumption in the consumption is the consumption in the consumption in the consumption is the consumption in the consumption in the consumption is the consumption in the consumption in the consumption in the consumption is the consumption in the consumpti there was a linear relationship between glucose and in actate metavorismin the presence of glucosamine, suggesting that the mignity of glucose was being utilised for 1-lactate production via glycolysis. In the presence of glucosamine, twofold less [U(14) Gglucose was incorporated into matrix compared with TOX cultured without glucosamine. These results support the hypothesis: that there is a link between glucose and glucosamine uptake in FSH stimulated ECM synthesis. Furthermore, glucose has multiple fates within the CCC during maturation and levels of utilisation are dependent on the composition of the maturation environment.

10/3, AB/19 DIALOG R File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

PM D: 14985242

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Oregon National Primate Research Center, Beaverton, Cregon 97006, USA. ites) Jul 2004, 71 (1)

Septiment to the Fritmite research Center, Desiverton, Cregon 97006, USA Biology of reproduction (United States) Jul 2004, 71 (1) p366-73, ISSN 0066-3363-Print Journal Code: 0207224 Contract/Grant No.: 2732 HD07133, HD, United States N.CHD, HD20869, HD, United States N.CHD, FR00163; FR, United States NORR, US4 HD18185; HD, United States N.CHD.

Publishing Model Print-Electronic Document type: Journal Article; Research Support, U.S. Gov't, P.H.S. Languages: ENGLISH

Languages: Main Oftation Owner:

Record type: MEDLINE; Completed

Main Gtation Owner: N.M. Record type: MEDLINE: Completed Programmer Medical Complete Programmer Medical Completed Programmer Medical Complete Programmer Medical Complete Progr

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10/3, AB/20
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
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PM D: 14967918

Interactions between the oocyte and surrounding somatic cells in follicular development: lessons from in vitro culture. Senbon Shoichiro; Hrao Yuji; Myano Takashi Graduate School of Science and Technology, Faculty of Agriculture, Kobe

Senbon Shoi chi i o Science and Technology, Pauser, Cardutat School of Science and Technology, Pauser, Children St. Childr

Gov't; Review

Main Citation Owner: NLM Record type: MEDLINE; Completed

Mammalian organesis occurs concomitantly with folloculogenesis in a Mammalian obgeness's occurs concomitantly with folloculogeness in a coordinated manner in the ovaries. In vitro growth (IVG) culture systems of the occytes have been developed as a new technology for utilizing incompetent oocytes in the ovary as a source of mulure ocytes as well as for studying ougenesis, folliculogenesis, and oocyte-somatic cell interactions. The results of IVG experiments have suggested that direct association of occytes and surrounding granulosa cells supports occyte viability and growth through the gap junctions, which are efficient conduits for low molecular weight substances. It has been revealed that granulosa cells metabolize some molecules which are in turn transported into the occytes. IVG systems have also provided evidence that FSF promises the development of follicies at secondary or later stages by its and perhaps by its anti-apportoit effects. In addition, interactions between granulosa cell-derived NITI gands and occyte NIT receptors have been suggested as initiating occyte growth and follicular development. Furthermore, recent findings suggest there are growth factors derived from occytes such as GR-9 and BMP-15. With such factors, occytes participate in follicular development by regulating the differentiation of surrounding somatic cells are important for occyte growth and follicular development. IVG systems should provide further information regarding ogenesis 10/3, AB/21 DIALCO(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

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15463661
         PM D: 14615058
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15463661 PM D: 14615058
Synergistic effects of activin and FSH on hyperphosphorylation of Pb and Gl/S transition in rat primary granulosa cells.
Ganwa Takuya: Yogo Keilchirc; Ishida Norbirlor; Takeya Tatsuo Graduate School of Bological Sciences, Nara Institute of Science and Technology, Koma, Nara 680-0101, Japan.
Molecular and cellular endocrinology (1-2) p81-8. ISSN 0303-7207-Print Journal Code: 7500844

1-2) p31-8, ISSN 0303-7207---Publishing Model Print Document type: Journal Article Languages: ENGLISH Main Citation Owner: NLM

mean u tation womer. Num.
Record type: MEDLING upsted
Record type: MEDLING upsted
function as a paracrine as well as autocrine factor for folliculogenesis
and coggeresis: We investigated the functional mechanism of activin tunction as a practrine as well as autocrine factor for folliculogenesis and oppenesis. We investigated the functional mechanism of activin using a hormone-supplemented serum-free culture system of granulosa cells with the control of the control

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10/3, AB/22
DIALCQ(R) File 155: MEDLINE(R)
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15075743 PM D: 12611607

Presence of t.H receptor mRNA in granulosa cells as a potential marker of occyte developmental competence and characterization of the bovine splicing isoforms.

Dovine spilcing jordonis.

Robert C, Gagne D, Lussier J Q, Bousquet D, Barnes F L; Sirard M A
Schirt de Recherche en Biologie de la Reproduction, Department of Animal
Scheness, Laval University, CC, Canada GN K7P4.

Reproduction (Cambridge, England) (England) Mur 2003, 125 (3)
p437-46

Record type: MEDLINE; Completed

As the expression of the LH receptor (LH-R) in granulosa cells is thought to be associated with later stages of folliculogenesis, this study was undertaken to evaluate the presence of LH-R mRNA as a suitable marker for developmental competence of occytes. Granulosa cells suitable marker for developmental competence of oocytes. Granulosa cells and cumulos-coocyte complexes (CCC) were recovered from cover that had and cumulos-coocyte, and the corresponding granulosa cells were used to evaluate the presence of LHR mRMA by RT-RCR. The presence of LHR mRMA by RT-RCR. The presence of LHR mRMA by RT-RCR. The presence of LHR coocyte, although a higher proportion of cocytes reach bearing a completen cocyte, although a higher proportion of occytes reach the blastocyst stage when LHR-RTMN is detected in the granulosa cells. Different LHR isoforms were cloned and sequence discrepancies

among six of the isoforms enabled the design of specific oligonucleotides to study the presence of the isoforms in different follicular cells. All to the full length receptor were found in granulosa cells of small (< 4 mm) to the full length receptor were found in granulosa cells of small (< 4 mm) and large (> 5 mm) follicides. When the granulosa cells were cull ured the was more acute in granulosa cells from small follicles. The addition of LH to the culture media enhanced LH R nFNA down repulation. The presence of several LH R IT ranger plisoforms was fissue specificant larger follicles. This finding indicates that the expression and the splicing of LH R nFNA are regulated in a cell-specific and follicular size-specific manner.

10/3. AB/23 DIALOGY B) Fille 155: MEDLINE(B) (c) format only 2008 Dialog. All rts. reserv.

PM D: 12543081

is bounded in an analyse of interloukin-8 effects on rat ovarian follicles at ovul at jon and lutefinization in vivo.

Goto Junko; Suganuma Nobuhiko; Takata Kayoko; Kitamura Kimiya; Asahina Toshiniko; Kobayashi Hiroshi; Muranaka Yoshinori; Furuhashi Madoka; Kanayama Nachiro
Department of Costetrics and Gynecology, Hamamatsu University School of

Medicine, Hamamutsu 431-3192, Japan. Ottokine (United States) Nov 24 2002, 20 (4) p168-73, ISSN 1043-4666-Print Journal Code: 9005353 Publishing Model, Print

Document type: Journal Article Languages: ENGLISH Languages:

Main Citation Owner: NLM Record type: MEDLINE; Completed The aim of the present study was to elucidate functions of the interleukin (IL)-8 at ovulation and luteinization in vivo. To compare the morphological differences between human chorionic gonadotropin (1903) and IL-8 stimulation , scanning electron microscopy was employed to and of the state o administration. This result indicated that exogenous IL-8 could play a role in the neovascul arization during foll licular development as an angiogenetic factor. Many fenestrations were observed in the vascular endothelium by ${\rm NG}$ administration. In contrast, no fenestrations were observed with other LL-8 injection, and cating that IL-8 may not be sufficient to increase CMED, occurred at rates of 82% after the INCS injection, only 20% GMED was covered after the IL-8 injection. The present study indicated that IL-8 might have important effects on rat follicles at ovulation and lutelization via vascularization in a similar manner to ${\rm NGC}$ multiple of the contraction of the contract

10/3, AB/24 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

14522681 PM D: 11869185 Cap-junctional communication in mouse cumul implications for the mechanism of meiotic maturation. Webb RJ; Bains H; Cruttwell C; Carroll D; mouse cumulus-oocyte complexes:

Department of Physiology, University College London, Gower Street, London WC1E 6BT, UK.

Reproduction (Cambridge, England) (England) Jan 200: p41-52, ISSN 1470-1626--Print Journal Code: 100966036 Jan 2002, 123 (1)

Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH Languages:

Main Citation Owner: NLM Record type: MEDLINE: Completed

Record type: MEDLINE: Completed The mechanisms underlying the hormonal method are not understood. The most prevalent hypothesis is that hormone-induced maturation as stimulated by an increase in either hormone-induced maturation is stimulated by an increase in either the control of the cont

by chelation of extracellular Ca2+, but is inhibited by the Ca2+-ATPase inhibitor, thapsigargin. ATP and UTP are equipotent, consistent with the receptor being of the PSY2 type. Confocal microscopy was used to show that ATP-induced Ca2+ release in cumulus cells leads to a Ca2+ increase in the oocyte. Inhibition of gap-junctional communication using carbenoxolone, as assayed by dye transfer, inhibited the diffusion of the Ca2+ signal from the cumulus cells to the oocyte. Thus, provided that a Ca2+ signal is generated in the somatic cells in response to maturation-inducing hormones, it is feasible that a Ca2+ transient is generated in the occyte. However,

FSH and EGF, both of which stimulate maturation in vitro, have no effect on Ca2+ in cumulus-occyte complexes. Furthermore, LH which leads to men of the maturation in vivo, did not stimulate Ca2+ which leads to men of the maturation in vivo, did not stimulate Ca2+ mouse foliates. These studies indicate that ATP may play a role in modulating ovarian function and that diffusion of Ca2+ signals through gap junctions may provide a means of communication between the somatic and germ cells of the ovarian follicle. However, our data are not consistent with a role for Ca2+-mediated communication in hormone-mediated induction of melosis in mi ce

10/3. AB/25 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

14396432 PM D: 11787146

Embryo development, hormonal requirements and maternal responses during canine pregnancy.

Canonine pregnancy.

Canonine P; Tsutsui T; Shille V

Concannon P; Tsutsui T; Shille V
Department of Biomedical Sciences, (
Cornell University, Ithaca, NY 14853, USA College of Veterinary Medicine. 2001

Journal of reproduction and fertility. Supplement (England) 57 p169-79. ISSN 0449-3087--Print Journal Code: 0225652

Journal of reproduction of the production of the

Main Citation Owner: NLM Record type: MEDLINE; Completed

The events of canine gestation appear to occur consistently among bitches relative to the time of the prevolutarry Lisurge. The interval from fertilization to the eight-cell stage was 5 days after inserination before occyte maturation and only 3 days following inserination after occyte maturation. Sixteen-cell embryos were observed at day 11 (day 0 = day of the Lisurge) after either early or late inserination. Apparently, embryoric cleavage between the two-cell and 16-cell stages occurrence.

embryonic cleavage between the 'two-cell and 16-cell stages occurs more rapidly after fertilization of more mature occytes. This finding, together with the narrow window for fertilization, may explain why the duration of gestation is similar whether mating occurs before or a few days after occyte maturation. Observations also indicate that cessation of migration occurs maturation. Observations also indicate that cessation of migration occurs between two processes of the control of migration occurs and the control of the control occurs between day 14 and day 20-22. Some blastocyst enlargement occurs between day 14 and day 20, and expansion inside lemon-shaped uterine vesicles are occurs of the control of the control occurs occurs on the control occurs oc responses to embryo localization may be detected via uterine transillumination by day 21, even in the absence of gross syelling. Blastocysts remain unattached as late as days 21-22; invasion of placental detected via uterine trophectoderm occurs as early as day 22 and as late as day 23, and only 1-2 days before heart beats are detected by sonography. Assay of canine relaxin by canine relaxin-specific radio immunoassay detected increases in seri by canine relaxin-specific radioimmunoassay detected increases in serum relaxin concentrations as early as days 26-30 and no earlier than the concurrent increase in serum prolactin concentrations at days 26-30; the

concurrent increase in serum plotacrin concentrations at days 20-30. The increase in serum relaxin concentrations was also no earlier than increase in the concentrations of serum acute phase proteins, including flibringen. It is not known whether relaxin can stimulate product nescretion in odogs. When natural progesterone alone was provided by injection and subcutaneous implants before and after ovariectomy performed before subcutaneous implants before and after ovariectomy performed before implantation occurred normally, and pregnancy was maintained to the control of the contr

indicate several areas worthy of further investigation.

(c) format only 2008 Dialog. All rts. reserv. 14387930 PM D. 11771900
Effect of incubation temperature on in vitro maturation of porcine occytes: nuclear maturation, fertilisation and developmental competence.
Abeydeera L R Vang W H, Prather R S; Day B N
Department of Animal Sciences, University of Missouri, Columbia 65211, Zygote (Cambridge, England) (England) Nov 2001, 9 ISSN 0967-1994-Print Journal Code: 9309124 Contract/Grant No.: HD 34588; HD; United States NICHD Nov 2001, 9 (4) p331-7. Publishing Model Print Document type: Journal Article; Research Support, U.S. Gov't, P.H.S. Languages: ENGLISH Main of tation Owner: N.M. Record type: MEDLINE; Completed The present study examined the effect of low culture temperature during in vitro maturation (LWA) of pig occytes on their nuclear maturation, in vitro maturation, time to the pig occytes on their nuclear maturation, were cultured at 35 or 39 degrees C for 44 h in modified tissue culture medium 199 supplemented with 10 ng/ml epidermal growth factor, 0.57 mM cysteine, 75 mcrog/ml potassium penicillin G. 30 mcrog/ml streptomycin cysteine, 75 mcrog/ml potassium penicillin G. 30 mcrog/ml streptomycin cysteine, 75 mcr Main Citation Owner: (NCSU) 23 medium containing 0.4% bovine serum albumin. At 12 hafter insemination, some occytes were fixed to examine the fertilisation rate and insemination, some oocytes were fixed to examine the fertilisation rate and the remaining embryos were examined at 48 and 44 h for cleavage and blastocyst formation rate, respectively. Compared with 50 degrees CN respectively. Compared with 50 degrees CN reduced the metaphase II (MII) rate (79% vs 173%. However, extension of culture time to 68 h at 35 degrees C significantly increased ($\rho < 0.05$) the MII rate (7% vs 55%). In experiment 3, compared with other groups, fewer ($\rho < 0.05$) cocytes reached MII when cultured at 35 degrees C for 88 h (59-81% vs 45%). Extension of culture duration to 88 h at 39 degrees C (p < 0.05) accytes reached MII when cultured at 35 degrees C for 68 h (confidence) and the second of moderate rates. 10/3. AB/27 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv. 14384008 PM D: 11750735 Follicle-stimulating hormone and advanced follicle development in the human. Mackion NS; Fauser BC

Mackion N S. Fauser 8 C.

Division of Reproductive Medicine Department of Obstetrics and Chvision of Reproductive Medicial Center Potterdam Potterdam The Netherlands. mackion@yna.azr.ni
Archives of medical research (Linted States) Nov-Dec 2001, 32
(8) p395-800, ISSN 0188-4409--Print Journal Code: 9312706
Publishing Model Print
Depublishing Mode

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Mail of tation Coner; NLM
Record type: MEDLINE; Completed
The aim of this study was to determine whether the rates of in vitro
occyte maturation, fertilization and cleavage, as well as implantation rate
and observed the study was to determine whether the rates of in vitro
occyte maturation, fertilization and cleavage, as well as implantation rate
and observed the study of the stu
before intracytoplasmic sperminjection (ICSI). After occyte retrieval the women were given oestraciol (6 mg day(-1)) and progesterone administration (300 mg day(-1)) was initiated 2 days later. Suitable embryos (maximum two embryos) were transferred on day 3 after ICSI. The percentage of occytes or the program of the pr
  resurted in eight implantations (21,6%). In fee healthy singleton children have been born at term; the remaining pregnancies ended with spontaneous abortions in the first trimester. These results indicate that priming with recombinant FSH before harvesting of immature coeytes from patients with PCOS may improve the maturational potential of the occytes and the implantation rate of the cleaved embryos.
             10/3. AB/29
     DI ALCO R) File 155: MEDLI NE(R)
     (c) format only 2008 Dialog. All rts. reserv.
     13556406
                                                                                          PM D: 10773386
                     Signal transduction mechanism for LH in the cumulus-oocyte complex.
Mattioli M. Barboni B
                        Facolta di Medicina Veterinaria,
                                                                                                                                                                                                                                                                                                                                           Istituto di Fisiologia Veterinaria,
  Plano D'Accio, Teramo, Italy. barboni g'iv.vet.unite.it
Mblecular and cellular endocrinology (IRELAND) Mar 30 2000, 161
(1-2) p19-23, ISSN 0303-7207-Print Journal Oxde: 7500844
                     Publishing Model Print
                     Document type: Journal Article; Review
Languages: ENGLISH
                     Main Citation Owner: NLM
Record type: MEDLINE; Completed
The paper reviews recently described signalling mechanisms by which
     cumulus cells exposed to peak levels of gonadotropins, activate oocyte maturation. Cumulus cells react to LH with a prompt Caraise which diffuses through gap junctions in a few minutes also into the oocyte where
     a local amplification system spreads the signal all over the cell. Few h
a local amplification system spreads the signal all over the ceil. Few h later, still as a consequence of LHstimulation, cumulus cells undergo aprogressive depolarisation of their plasma membrane potential. Due to the electric coupling with these cells the oocyte depolarises too and this open specific voltage gated Canannels responsible for a second wider and more sustained intracelfular Carise. As a result of changes throughout muturation with a consequent modification of the size and charge of the molecules that can diffuse from one cell compartment to the other. This consequent modification of the size and charge of the molecules that can diffuse from one cell compartment to the other. This consequent modification of the size and charge of the molecules that can diffuse from one cell compartment to the other. This consequent modification of the size and class with a the inner cell clayer, coronar add at a remains in poocyte muturation by addression to
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poor/92, 153N 14/0-1626-Frint Journ Publishing Model Print Document type: Clinical Trial; Journ Trial; Research Support, Non-U.S. Gov't Languages: ENGLISH Main Citation Owner: NLM

Eenefit of FSH priming of women with PCOS to the in vitro multuration procedure and the outcome: a random zed prospective study. Mikkelsen A L; Lindenberg S The Fertility Clinic. Herlev University Hospital. Institute for Human Peproduction. Fruebelgergyel S, DC2100 Cepenhagen, Denmark, almogliconia.dk. PSH ST 185N 1470-1626-Primit Journal Code: 100966036

Journal Article; Randomized Controlled

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DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
                             PM D: 18353182
2649/99] FM D. 18353182
Effects of high levels of glucose on the steroidogenesis and the
expression of adiponectin receptors in rat ovarian cells.
Chabrolle Ornistine; Jeanpierre Eric; Tosca Lucie; Rame Christelle;
Dupont Joelle
Unite de Physiologie de la Reproduction et des Comportements, Institut
National de la Recherche Agronomique, 37380 Nouzilly, France.
National de la Ñec
chabrolle@rours.inra.fr
      Reproductive biology and endocrinology - RB&E (England) 2008, 6
p11, ISSN 1477-7827--Electronic Journal Code: 101153627
      Document type: Journal Article
Languages: ENGLISH
      Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed
BACKGROUND: Reproductive dysf
                                         Reproductive dysfunction in the diabetic female rat is 
with altered folliculogenesis and steroidogenesis.
associated with altered folliculogenesis and steroidogenesis.
However, the molecular mechanisme involved in the reduction of steroid
production have not been described. Adiponectin is an adipocytokine that
has insulin-sensitizing actions including stimulation of glucose uptake in muscle and suppression of glucose production in liver. Adiponectin acts via two receptor isoforms - AdipoPRI and AdipoPR2 - that are reguliated by hyperglycaemia and hyperinsulinaemia in liver and muscle. We have recently identified AdipoPRI and AdipoPR2 in rat ovary, thowever, their
regulation in ovaries of diabetic female rat remains to be elucidated. METHODS. We incubated rat primary granulosa cells in vitro with high concentrations of glucose (5 or 10 g/l) + or - FSH (10-8 M) or IGE-1 (10-8 M), and we studied the ovaries of streptozotocin-induced diabetic
concentrations of glucose (5 or 10 g/l) + or - FSH (10-8 M) or IGF-1 (18 k), an we studied the ovaries of step to concentrations are well as the content of the concentration of 
progesterone and oestradiol in the basal state and in response to FSH and IGF-1 without affecting cell proliferation and viability. This was associated with substantial reductions in the amounts of 3beta HSD, p450scc, p450 aromatase and StAR proteins and MPK ERK1/2 phosphorylation contrast, glucose did not affect the abundance of AdipoRt or AdipoR2.
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proteins. In vivo, as expected, STZ freatment of rats caused hyperglycaemia and insulin, adiponectin and resistin deficiencies. Plasma progesterone and oestradioi levels were also reduced in STZ rats. However, the amounts of Steat ASD and p450 aromatase were the same in STZ rat ovary and controls, and the amounts of StAT and p450scc were higher. Strept ozotocin freatment of StAT and p450scc were higher. Strept ozotocin freatment of StAT and p450scc were higher. Strept ozotocin freatment of StAT and p450scc were higher. Strept ozotocin freatment of StAT and p450scc were higher. Strept ozotocin freatment of StAT and p450scc were higher. Strept ozotocin freatment of StAT and p450scc were higher. Strept ozotocin freatment of StAT and p450scc were higher strept ozotocin freatment ozotoc

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     DIALOG(R) File 155: MEDLINE(R)
     (c) format only 2008 Dialog. All rts. reserv.
                                32558 PMD: 18339255
Anti-೯%H antibodies associate with poor outcome of ovarian
     26332558
  stimulation in IVE.

Stimulati
                     Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLISH
                     Main Citation Owner: NLM
                        Record type: In Process
     FSH is required for spontaneous folliculogenesis and is widely used in ovarian stimulation in IVF. Previously, increased concentrations of antibodies against FSH (anti-FSH) have been
  concentrations of antibodies against FSH (anti-FSH) have been demonstrated on infertile women. This study aimed to: (I seems the demonstrated of infertile women. This study aimed to: (I seems the demonstrated of the demonstrat
IgA were associated with impaired ovarian stimulation outcome, with cut-off values <1.0 arbitrary units predicting poor ovarian response (<org>
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             15/3 AR/3
     DIALOG R) File 155: MEDLINE(R)
     (c) format only 2008 Dialog. All rts. reserv.
     26121174 PM D: 18084048
Effects of recombinant LH treatment on folliculogenesis and
  cresponsiveness to FSH strendardon.

Durnerin Cedrin I; Erb K; Fleming R; Hillier H; Hillier S G; Howles C M;

Durnerin Cedrin I; Erb K; Fleming R; Hillier H; Hillier S G; Howles C M;

Yates R; Lass A; Lyall H; Rasmussen P; Thong J; Traynor I; Westergaard L;

Yates R
                     Reproductive Medicine Unit, Department of Gynaecology and Obstetrics,
     Jean Verdier Hospital, University Paris XIII, France.
Human reproduction (Cyford, England) (England) Feb 2908,
p421-6, ISSN 1460-2350-Electronic Journal Code: 8701199
     Publishing Model Print-Electronic Decument type: Journal Article; Multicenter Study; Randomized Controlled Trial; Research Support, Non-U.S. Gov't
Trial: Research Support, Non-U.S. Gov't
Languages: ENALISH
Main Otation Owner: N.M.
Record type: MEDLINE: Completed
Record type: MEDLINE: MEDLINE:
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high-dose GnH agonist (Decapeptyl 4.2 mg s.c.) protocol and were randomized to receiver. Hulf Luveris, 300 LU day) for a fixed 7 days, or no r-hLH treatment. This was followed by a standard r-hFSH stitusiation regime (Conal F- 150 LU day). Ultrasound and hormone assessments of responses were measured at the start of r-hLH treatment, on FSH stitusiation and and a the time of HDQ administration.
      RESULTS: The Littreatment was associated with increased small antral
    HESULIS: The LH freatment was associated with increased small antral officies prior to FSS slimitaliting (P = 0.007), and an only the composition of the composition 
    0.002). CONCLUSIONS: This sequential approach to the use of r-hLHin standard IVF showed a possible modest clinical benefit. The results support
    other recent work exploring up-regulated androgen drive upon follicular metabolism indicating that clinical benefit may be obtainable after further practical explorations of the concept.
             15/3. AB/4
      DIALCG(R) File 155: MEDLINE(R)
    (c) format only 2008 Dialog. All rts. reserv.
      17854940
                                                                           PM D: 17572411
                   Methyl enet et rahydrofol at e reduct ase (MTHFR) is associated with ovarian
  folicular activity.

Rosen Mitchell Shen Shehus: McOulloch Charles E; Rinaudo Department of Catefrics. Cynecology and Reproductive : University of California, San Francisco, California 94115, USA.
Fertility and sterility (United States) Sep 2007, 88 eps248. ISSN 1556-5853-Electronic Journal Code: 0372772
Publishing Model Print - Bectronic Document type Journal Article; Research Support, Non-U.S. Gov't Min Official Occasion.
                                                                                                                                                                Shen Shehua: McCulloch Charles E: Rinaudo Paolo F:
                                                                                                                                                                                                                                                                                                                                           and Reproductive Sciences,
Languages: ENGLISH
Main of tation Owner: Num
Richard types: MEDIATE: Completed
Record types: MEDIATE: 
                   Main Citation Owner: NLM
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15/3. AB/5 DIALOG(R) File 155: MEDLINE(R)

follicul openesis.

(c) format only 2008 Dialog. All rts. reserv.

17777223 PM D. 17540666 JL (ESRI) gene variants predict the outcome of old reliation in vitro fertilization.

Altime Signe, Haller Kadri; Peters Maire; Hovatta Outi; Stavreus-Evers Annell; Karro Helle; Metspalu Andres; Salumets, Andres

Department of Biotechnology, Institute of Molecular and Cell Biology, Estonian Genome Project, University of Tartu, Estonia, and Department of Clinical Science, Intervention and Technology, Karolinska University

Estonian Genome Project, University of Lartu, Estonia, and Departm Clinical Science, Intervention and Technology, Karolinska Univer Hospital Huddinge, Sockholm Sweden. Molecular Human reproduction (England) Aug 2007, 13 (8) p521-6 ISSN 1360-9947-Print Journal Code: 9513710 Publishing Model Print-Bectronic

Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH

Main Citation Owner: NLM Record type: MEDLINE: Completed

The outcome of in vitro fertilization (IVF) depends substantially on the effectiveness of controlled ovarian hyperstimulation (CCH) induced by administration of follicle-stimulating hormone (FSH). In CCH, endogenously produced estrogens extend the action of FSH in

stimulating folliculogenesis. We determined the associations between stimulating folliculogenesis. We determined the associations between genetic variations in estrogen receptor ESR1 and ESR2 genes and etiology of female infertility, and analysed the influence of these variations on COH occupies of the control of risk for unexplained infertility, whereas longer ESR1 (TA)n associated with Pvull'C allele were predictive of a better OCH, but not clinical pregnancy rvuit a lete were predictive of a better COH, but not cilinical pregnancy outcome in an age-independent manner. These data suggest the variations in ESR1 gene, in addition to the age of a woman, may predict the COH outcome in IVF.

DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog, All rts, reserv. 17629620 PM.D. 17350962
Normalization of hormonal imbalances, ovarian follicular dynamics and metabolic effects in follitrophin receptor knockout mice.
_Tiwari-Pandey Pashmi; Yang Yinzhi; Aravindakshan Jayaprakash; Sairam M Molecular Reproduction Research Laboratory, Clinical Research Institute of Montreal, Affiliated to Universite de Montreal), Quebec, Canada.

Malecular human reproduction (England) May 2007, 13 (5) Mblecular human reproduction (England) May 200 p287-97, ISSN 1360-9947--Print Journal Code: 9513710 Publishing Model Print-Electronic Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH Languages Main Citation Owner: NLM Record type: MEDLINE; Completed Genetically modified follitrophin receptor knockout female mice with Gnetically modified follitrophin receptor knockout female mice with total FSH-receptor (FSH-R) deletion are sterile and their combined estrogen deficiency-hyperandrogenemic status provides an experimental paradigm to study the effect of hormonal imbalances on ovarian function and metabolic alterations. Bevared LH levels causing hyperandrogenemia perturb normal follicul ogenesis. To control diverse et alteration may be a second the second parabolic states and the second parabolic states are second to the second parabolic states and the second parabolic states are second to the second parabolic states and the second parabolic states are second to the second parabolic states and the second parabolic states are second parabolic states and the second parabolic states are second parabolic states and the second parabolic states are second parabolic states and the second parabolic states are second parabolic states and the second parabolic states are second parabolic states and the second parabolic states are second parabolic states and the second parabolic states are second parabolic states and the second parabolic states are second parabolic states and the second parabolic states and the second parabolic states are second parabolic states and the second parabolic states are second parabolic states and the second parabolic stat and free lessosie one re-established the negative-resourch system reduced android obesity and activation of mammary glands indicated the combined beneficial effects of normalized steroid hormones on target organs. These data provide evidence that ovariant transplantation in mutants corrects estrogen loss and hyperandrogenemia. However, correction of hormonal imbalances is not sufficient to fully restore effects of FSPAF loss

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15/3. AB/7
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
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in host granulosa cells.

15/3. AB/6

PM D: 17146736 Is estradiol mandatory for an adequate follicular and embryo development?

A least radiod ustillation may be a marked to the control of the c 9206495

Publishing Model Print-Electronic Document type: Journal Article

Languages: Evect on Min Order; NLM Ricord type: Month of Completed PackGCG-DUNE: Completed PackGCG-DUNE: Although high levels of estradiol are found in the follicular fluid, little is known about its necessity for adequate follicular growth, oocyte maturation and embryo development. Arim dex (anastrozole) is a potent aromatase inhibitor capable to induce an in-vivo milieu deprived of estradiol. This study uses a mouse model applying Arimidex to create an in-vivo system lacking of estradiol, in order to explore whether this

gonadal steroid hormone is mandatory for folliculogenesis followed by gonadal steroid hormone is randatory for follicul openesis followed by mornal ferfullization and embryo development MENUGOS. Experiment in the property of the Estradiol (E2) and progesterone (P) serum levels were tested 48 hours after PMSO and the ovaries of each mouse bindly examined by a pathologist and the programment of the pathologist message of the programment of the p is independent of estrogen but is conditioned on gonadotropin stimulation. Moreover, depletion of estradiol in the vicinity of the occyte did not impair its developmental potential, including its ferfilization and development into morulae, blastocysts and hatching bl ast ocysts.

15/3, AB/8 DIALOG(R) File 155: MEDLINE(R)

(c) format only 2008 Dialog, All rts, reserv.

PM D: 16825293

17317006 PM.D. 16825293
Interleukin-falpha-induced chemokines in mouse granulosa cells: impact on kerati nocyte chemoattractant chemokines a CoC subfamity.

Kerati nocyte chemoattractant chemokines a CoC subfamity.

Center of Peproductive Sciences, University of Kansas Medical Center, 3901 Rainbow Boulevard, Kansas City, Kansas 66160-7417, USA dson@Aumc.edu Molecular endocrinology (Balti more AML) (United States) Nov 2015

Contract/Grant No. P20 PR016475; PR. United States NCPR

Contract/Grant No. P20 PR016475; PR. United States NCPR

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Document type: Journal Article; Pesearch Support, N.I.H., Extramural Languages: BAQL GR.

Document type: John an Article, research support, the support of t steroldogenesis and folliculogenesis. Because multiple aspects of ovariant function have also been shown to since voe prokine chemokine covariant function have also been shown to since voe prokine chemokine cells in the control of regularing it-laipha-induced No chembrine prombler activity. General regularing it-laipha, whereas overexpression of p6s, a component of N-kappaB, increased prombler activity and mFNN of KC chembrine. In addition, FSH did not affect M-kappaB signaling or IL-laipha-induced. KC chembrine in addition, FSH did not affect M-kappaB signaling or IL-laipha-induced. addition, 1541 or a not affect Mr-Kappas signaling or Li-1alpha-induced in of Ko-chemokine promoter activity. Within 1-3. after ip injection of the control of release of Li-1, KC-chemokine was localized in the ovary to granulosa cells as well as the thecal-interstitial layer. The results of this study indicate that KC gene is a chemokine induced acutely by IL-1alpha via Nr-kappaB signaling in mouse granulosa cells.

15/3, AB/9 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

17176797 PM D: 16827936

Identification of differential gene expression in in vitro FSH treatied pig granulosa cells using suppression subtractive hybridization. Bonnet A, Frappart P (O, Dehais P, Tosser-Klopp Q, Hatuey P, INFA | laboratoire de Cenetique cellulaire, BPS2627 chemin de borde rouge, 31326 Castanet cedex, France. abonnet@oulouse, inra.fr

Reproductive biology and endocrinology - RB&E (England) p35, ISSN 1477-7827-- Electronic Journal Code: 101153627

Publishing Model Electronic Document type: Comparative Study; Journal Article Languages: ENGLISH

Main Citation Owner: NLM

Mein d'attion Conner. N.M.
Record type: MELLINE Completed
FSH, which binds to specific receptors on granulosa cells in
marmals, plays a key role in folliculogenesis. Its biological
activity involves stimulation of intercellular communication and
genes
regulated by FSH has yet to be fully characterized. In order to find
new regulated transcripts, however rare, we have used a Suppression
Subtractive Hybrid zation approach (SSH) on pig granulosa cells in primary
culture treated or not with FSH two SSH il braries were generated and
Sty
TS clones were sequenced after selection by differential ascreeningences.
Experiments demonstrated the presence of 25 regulated transcripts. A gene
ontology analysis of these 25 genes revealed (1) catalytic; (2) fransport;
(3) signal transducer; (4) binding; (5) anti-oxidant and (6) structural
activities. These I Indings may deepen our understanding of FSH's
modulation of peroxidase activity and remodelling of chromatin.

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15/3 AR/10
DIALCG(R) File 155: MEDLINE(R)
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(c) format only 2008 Dialog. All rts. reserv.

17171069 PM D: 16601008 Comparison of follicular fluid IGF-I, IGF-II. Comparison of follicular fluid IGF-I, IGF-II, IGFBP-3, IGFBP-4 and PAPP-A concentrations and their ratios between GnRH agonist and GnRH antagonist protocols for controlled ovarian stimulation in IVF-embryo transfer

Choi Young Sik; Ku Seung-Yup; Jee Byung-Chul; Suh Chang-Suk; Choi Young Mn; Kim Jung Qu; Mbon Shin Yong; Kim Seok Hyun Department of Costetrics and Gynecology, College of Medicine, Seoul National University, Korea.

Human reproduction (Oxford, England) (England)

Human reproduction (Oxford, England) (England) Aug 2008, 21 (8) p2015-21, ISSN 0268-1161-Print Journal Code: 8701199 Publishing Model Print-Bectronic Document type: Clinical Trial; Journal Article; Research Support, Non-U.S. Gov't

Languages: ENGLISH Main Citation Owner: NLM

Languages: ENGLISH Main of tation Owner. Main of tation Owner. Main of tation Owner. Main of tation Owner. May be a subject to the subject of the subject of

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difference in clinical outcome. DIALOG(R) File 155: MEDLINE(R)

⁽c) format only 2008 Dialog. All rts. reserv.

¹⁷¹⁴⁷⁹²⁵ PM D: 16625003 Transcriptional regulation of cyclin D2 by the PKA pathway and inducible cAVP early repressor in granulosa cells.

Muniz Luis C: Yehia Ghassan: Memin Elisabeth: Ratnakar Pillarisetty V A L

Multizturis of terms described to the Month of the Month

Biology of reproduction (United States) Aug 2908, 75 (2) p279-88, ISSN 0006-3363--Print Journal Code: 0207224 Contract/Grant No:: F31HD43691; HD; United States NICHD; P03HD045503; HD;

United States NICHD Publishing Model Print-Electronic

Document type: Journal Article; Research Support, N.I.H., Extramural Languages: ENGLISH

Main Citation Owner

Languages: ENALISH: N.M.
Main Of tall to ECHNE. Completed
Cyclin D2 (Cond2) is an essential gene for folliculogenesis, as
nul mutation in mice impairs granulosa cell proliferation in response to
FSH. Cond2 mFNA is induced during the estrus cycle by FSH and tall
is rapidly inhibited by LH; You't the responsive element of the control of Bistone of the control of the contro

VIVO. In 1888 February State of the Community of the Comm

DIALCO(R) File 155: MEDLINE(R) (c) format only 2008 Dialog, All rts, reserv.

PM D: 16824444

A review of the effects of supplementary nutrition in the ewe on the concentrations of reproductive and metabolic hormones and the mechanisms concentrations of reproductive and mathabilic normones and the mechanisms.

Some productive and mathabilic normones and the mechanisms. Some productive and the second product

Mmms, Herifordshire, UK rscara@vc.ac.uk Reproduction, nutrition, development (France) Jul-Aug 2 (4) p339-54, ISSN 0926-5287--Print Journal Code: 8913069 Jul - Aug 2006, 46

Document type: Journal Article; Review Languages: ENGLISH

Main Citation Owner: NLM Record type: MEDLINE; Completed

This paper discusses the phenomenon of nutritional flushing in ewes whereby increased nutrition stimulates following enesis and ovulation rate. In addition the paper reviews recent findings on the effects of increased levels of nutrition on the blood concentrations of reproductive and metabolic hormones in the ewe and some of the intraovarian changes that take place in response to nutritional stimulation. Finally, in the paper, we propose a model of the physiological mechanism for the nutritional stimulation of folliculogenesis and we review how closely the model fits recent published and unpublished evidence examining the mechanism of flushing. Nutritional stimulation alters the blood To the control of the also alters the blood concentrations of some reproductive hormones. Again. also alters the blood concentrations of some reproductive hormones. Again, using the same model, we have shown that there is a transient increase in FSH and a decrease in oestradiol concentrations in the blood. The changes in oestradiol are particularly evident in the follicular phase of the oestrous cycle. In the ovary, the effect of nutrition is to stimulate follicular alterations in the linsuin glucose. If a many control in the control including alterations in the linsuin glucose. If and leptin lands to a summer service of the control including the control includ leads to a suppression in follicular oestradiol production. The consequence of these direct actions on the follicle is a reduced negative feedback to

the hypothal amic-pituitary system and increased FSH secretion that leads to a stimulation of followlogenesis.

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15/3, AB/13
    DIALOG(R) File 155: MEDLINE(R)
    (c) format only 2008 Dialog. All rts. reserv.
    17108843 PM D: 16474210
PKA implicated in the phosphorylation of Cx43 induced by
stimulation with FSH in rat granulosa cells.
    Yogo Keiichiro; Ogawa Takuya; Akiyama Motofusa; Ishida-Kitagawa Norihiro;
Sasada Hiroshi; Sato Eimei; Takeya Tatsuo
                ısada Hiroshi; Sato Eimei; Takeya Tatsuo
Graduate School of Biological Sciences, Nara Institute of Science and
    Technology, Japan. ke-yogo@s.naist.jp
Journal of reproduction and development (Japan) Jun (
(3) p321-8, ISSN 0916-8818--Print Journal Code: 9438792
                                                                                                                                                                                                                                                                                                                                                                                  Jun 2006. 52
        (3) p321-8, ISSN 0916-8818-- Print
Publishing Model Print-Electronic
Publishing Model Print-Electronic Document type: Journal Article Languages: EN3LISH Main Offation Owner: N.M. Record type: MEDINE; Completed Connexin 43 (CA43) resident and postnatal communication of connexin 43 (CA43) resident and postnatal connexin 43 (CA43) resident and postnatal and postnatal and postnatal and postnatal and postnatal connexin 45 (CA43) resident and postnatal and postnata
    on the phosphorylation level. Ca2+-dependent protein kinase (PKC) appeared
  on the phosphory lation level. Ca22-dependent protein kinase (PKC) appeared to negatively regulate phosphory lation. Phosphorp lation. Phosphorp lation with the phosphory lation and later him to be a second later to the phosphory lation of the phosphory lation and later him to be a later lation to be later late
          15/3. AB/14
    DIALOG(R) File 155: MEDLINE(R)
    (c) format only 2008 Dialog, All rts, reserv.
    17101085 PM D: 16792843
                                                               and followlogenesis: from physiology to ovarian
                          E-201-1
stimulation.
Vegetti Welter; Alagna Federica
Infertility Uhit, Fondazione I.R.C.C.S. Ospedale Maggiore Policlinico,
Mangiagalli e Regina Eena, Mian, Italy, waltervegetti@yahoo.it
p6864-94, ISSN 1472-6483-Print Journal Code: 101122473
Publishing Model Print
Document type: Journal Article; Review
Languages: ENALISH.
Record type: MCELINE; Completed
FSH is a glycoprotein hormone consisting of two peotide subunits.
    stimulation.
  FSH is a giveoprote in hormone consisting of two peptide subunits. 
The role of FSH in folliculagenesis is well known: to 
stimulate the formation of a large pre-ovulatory follicle that, 
because of its FSH-dependent maturation, is capable of ovulation and
forming a corpus luteum in response to the mid-cycle surge of LH widely used in overlan stimulation for assisted the second control of the surgest of the second control of the 
    forming a corpus luteum in response to the mid-cycle surge of 🔠
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ESH receptors

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15/3. AB/15
  DIALOG(R) File 155: MEDLINE(R)
  (c) format only 2008 Dialog, All rts, reserv.
                                          PM D: 16790105
           Outlook: who needs LH in ovarian stimulation?
           Alviggi C; Clarizia R; Mollo A; Ranieri A; De Placido G
          Alviggi C; Clarizia B, world A, manieri A, School SC
Dipartimento di Scienze Ostetriche Ginecologiche Urologiche e Medicina
alla Fioroduzione-Universita degli Siudi di Napoli 'Federico II', Naples,
  della Riproduzione-Universita degli Studi di Napoli
  Italy. alviggi@anina.it
Reproductive biomedicine online (England) May 2006,
p.599-607. ISSN 1472-6483-Print Journal Code: 101122473
                                                                                                                                                                                                      May 2006, 12 (5)
          Publishing Model Print
Document type: Journal Article; Review
Languages: ENGLISH
          Main Citation Owner: NLM
Record type: MEDLINE; Completed
                                                                                                      role in the intermediate-late phases of
  LH plays a key role in the intermediate-late phases of folliculogenesis. Although ovarian stimulation is efficiently achieved in most cases by the administration of exogenous FSH alone,
achieved in most cases by the administration of exogenous FSEfalone, specific subgroups of women may benefit in from LH activity supplementation during ovarian stimulation. Some authors have found improved outcome with LH activity supplementation in advanced reproductive age women. Experience suggests that in about 10-12% of young normognoadortophic patients treated with a gonadortophin-releasing hormone agonist (GHP+a) long protocol plus recombinant FSH human (r-hFSH), as steady response is observed. In this subgroup of women, a higher number steady response is observed. This subgroup of women, a higher number of young the protocol plus recombinated to the subgroup of women and ingher number of the protocol plus recombinated to the standard FSH of services and the protocol of a continuation of the standard FSH of services. Another subprotuno in cali and swhom we heartift from the
      dose increase. Another subgroup of patients who may benefit from LH
  activity supplementation are those at risk for poor ovarian response 
treated with GnRH antagonist. Recent data demonstrate that in these women,
  when GRH is administered in a flexible protocol, the concomitant addition of recombinant human 🔠 improves the number of mature occytes
  of recombinant human LH improves the number of mature occytes retrieved, when compared with the standard GnRH-a flare-up protocol. Thus,
                         calibrated LH administration improves the ovarian outcome in
  patients > 35 years, in those showing an initial abnormal ovarian response to r-hFSH monotherapy, and in 'low prognosis' women treated with GnFSH.
  ant agoni st s.
      15/3. AB/16
  DIALOG(R) File 155: MEDLINE(R)
  (c) format only 2008 Dialog. All rts. reserv.
  17015954 PM D: 16540466
Allosteric activation of the follicle-stimulating hormone (FSH) receptor by selective, nonpeptide agomists.
Yanofsky, Stephen D. Shen Emity S. Holden Frank; Whitehorn Erik; Aguilar Barbara; Tate Emity; Holmes Christopher P; Scheuerman Randal; McLean Derek; Wi May M. Frail Donald E; Lopez Francisco J; Winneker Richard; Arey Brian J; Barrett Ronald W. Alfymax, Inc., Palo Alto, California 94304, USA, syanofsky@bcglobal.net Journal of biological chemistry (Uhited Sates) May 12 2006, 281 (Publish) 28 6046 Print Ele 1895 - Print Journal Code: 2985121R Publish 28 6046 Print Ele 1895 - Print Journal Code: 2985121R
              Allosteric activation of the follicle-stimulating hormone (FSH)
         Document type: Journal Article
Languages: ENGLISH
Main Otation Owner: NLM
Record type: MEDLINE; Completed
Record type: MEDLINE; Completed hormones, luteinizing hormone and the political proportion (FSH) act through their cognate receptors to initiate a series of coordinated physiological events that results in germ cell maturation. Given the importance of FSH in regulating follicutogenesis and ertility, the development of regulating follicutogenesis and ertility, the development of FSH in regulating follicutogenesis and ertility, the development of FSH in FSH in a point and recombinant human FSH are the only FSH receptor (ent.); FSH -FSH, agonists available for infertility treatment. By screening unbiased combinatorial chemistry libraries, using a cAMP-responsive
 unbiased combinatorial medicate and a fails. Signification of the second of the secon
 that was FSH-R-selective and -dependent. The compound mediated progesterone production in Yi cells transfected with the human FSH-R (ECSO = 980 nm) and estradiol production from primary rat ovarian granulosa
[ESSo = 980 mm] and estradiol production from primary rat ovarian granulosa cells (ESSo = 10.5 nm.) This and related compounds did not compete with FSH for binding to the FSH-R. Use of human FSH (Hyproid-stimulating hormone (TSH) receptor chimeras suggested a novel mechanism for receptor activation through a binding site independent of the natural hormone binding site. This study is the first report of a high affinity small rolecule agonist that activates a glycoprotein hormone receptor through an all osteric mechanism. The small rolecule FSH receptor agonists described here could lead to an oral all ternative to the current parenteral FSH treatments used clinically to induce ovarian
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15/3. AB/17
    DIALOG(R) File 155: MEDLINE(R)
    (c) format only 2008 Dialog, All rts, reserv.
                                                                     PM D: 16556681
    Transcriptome analysis of FSH and FSH variant
    regulated genes.
                  Perlman S: Bouquin T: van den Hazel B: Jensen T H: Schambye H T: Knudsen
                    Ckkels J S
        Mixygen, Horsholm, Technical University of Denmark, Lyngby.
Molecular human reproduction (England) Mar 2908, 12
p135-44, ISSN 1360-9947--Print Journal Code: 9513710
                Publishing Model Print-Electronic
Document type: Journal Article; Research Support, Non-U.S. Gov't
Languages: ENGLIST
                Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed
FSH is crucial for occyte maturation and fertility and is the main component in intertility treatment in assisted reproduction. The granulosa cells expressing the FSH receptor interact with the occyte and provide nourishing substrates controlling the occyte maturation. Thus, transcriptore analysis of granulosa cells stimulated by FSH is of granulosa cells stimulated by FSH is of granulosa cells. In this study, gene expression profiles were assessed in human granulosa cells from normal cycling in vitro maturation (IVM) patients using oligonucleotide gene chips. Granulosa cells were stimulated for 2 h with either FSH or a previously generated glycosylated for 2 h with either FSH or a previously generated glycosylated because of prolonged half-life. The analysis identified 74 significantly regulated genes as well as genes not previously described to be important in the FSH signal ling pathway. These novel FSH regulated genes
                FSH is crucial for oocyte maturation and fertility and is the main
    Include transcription factors [CAPP responsive element would at or CPED) inductible cAPP early represent (CEP), GATA 6, ZPN 361. Bbl11a, CTED and TOF 8] and other regulatory proteins and enzymes (IGF-BPS, syntaxin and PCX) possibly important for occyteigranulosa cell interaction and function. A ray data were validated for 13 genes by northern blots or
  and commence of the real state were valued as the of the speeds of profession both so reflected by the results are stated as the speeds of the results are speeds of the resul
          15/3. AB/18
  DIALOQ(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog, All rts. reserv.
10880762 PM D. 16478591
Exploiting LH in ovarian slimilation.
Alviggi C, Molto A; Carizia R, De Placido G
D partimento di Scienze Catetriche Ginecologiche Urologiche e Medicina
della R produzione-Lhiverita degli Sudi di Napoli Federico II, via S.
Pansi ni 5, 80131, Naples, Italy, alviggi (amina. It
Reproductive Naples, Italy, alviggi (amina. Italy, alviggi (
                Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH
                Languages: ENGLISH
Main Citation Owner: NLM
                Record type: MEDLINE; Completed
                During intermediate-late phases of human folliculogenesis, LH
    plays a key role in promoting steroidogenesis and growth of the leading follicle. Ovarian stimulation for assisted reproduction techniques
    usually consists of administering exogenous FSH in a low LH
usually consists of administering exogenous FSH in a low LH environment. Although an impairment in LH dependent paracrine environment. Although an impairment in LH dependent paracrine is the consistency of the consistency 
  during ovarian at mulation.
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^{15/3,} AB/19
DIALCO(R)File 155: MEDLINE(R)
(c) format only 2008 Dialog, All rts. reserv.

16684146 PM D: 16274596 Littimproves early follicular recruitment in women over 38 years Comez-Palomares J L; Acevedo-Martin B; Andres L; Ricciarelli E; Hernandez ... Clinica de Medicina de la Reproduccion y Ginecologia 'FIVMadrid', C'Mirques de Urquijo 26, 28008 Mudrid, Spain.
Reproductive biomedicine online (England) Cct 2005
p409-14, ISSN 1472-6483--Print Journal Code: 101122473
Publishing Model Print; Erratum in Reprod Biomed 2005 Publishing Jan: 12(1) 132 Online. Document type: Journal Article; Randomized Controlled Trial Languages: ENCLISH Document type: Journal Affice; ramounized Control and Languages: ENGLISH
Main Citation Corner: NLM
Record type: MEDLINE; Completed
Record type: MEDLINE; Completed
folious genesis
folious gen rFSH with human menopausal gonadotrophin (HMG. The present study sought to determine whether recombinant LH could reproduce the effect of HMG in women over 38 years during ovulation induction. Fifty-eight patients received rFSH (225 IU day) supplemented with one ampoule of HMG (75 IU of LFHCQ) per day) for 5 days. Another 38 patients received rFSH (300 IU day) supplemented with one ampoule of rLH (75 IU day) at 30 for 5 days. Both groups of patients received sind aramounts of rFSH (1300 IU), LHHCQ (375 IU) and rLH (375 IU) and 7.7.1. amounts of 'FSH (1300 IU), LH FGO (375 IŪ) and r LH (375 IU), and r curred as similar number of follicles as counted on day 6 (4.07 ±/-3.1 in the HMG group versus 3.7 ±/-3.2 in the LH group respectively) or of the HMG group versus 3.7 ±/-3.2 in the LH group respectively) or of the LH group respectively or substitution of the LH group respectively or was shorter, but not significantly so, in the group of patients reactiving rFSH ± HMG (10.5 ±/-1.7 days) than in the group of patients reactiving rFSH ±/-1.1 a days). Significantly more MI occytes were seen in the LH (12 ±/-1.1 a days). Significantly more MI occytes were seen in the STH ±/-1.1 and the STH aids early follicular recruitment. 15/3, AB/20 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv. 16618041 PM D: 16195824 Differences in serum LH and FSH levels using depot or daily GnRH agonists in controlled ovarian stimulation: influence on ovarian response and outcome of ART. Sonntag Barbara; Kiesel Ludwig; Nieschlag Eberhard; Behre Hermann M Assisted Reproduction Unit, Department of Obstetrics and Gynaecology, Munster, Germany. Journal of assisted reproduction and genetics (United States) J005, 22 (7-8) p277-83, ISSN 1058-0468--Print Journal Code: 9206495 Publishing Model Print Document type: Journal Article; Randomized Controlled Trial Languages: ENGLISH Main Citation Owner: NLM Record type: MEDLINE; Completed

Record type: MEDLINE: Completed PUFPCOE: To study effects of endogenous LH levels on ovarian response and outcome in AFT cycles a controlled study was performed with PUFPCOE: Footput (n. 2.7) received 3.75 mg of the GnRH agonist triptorelin acetate depot, group II (n. 54), was given 0.1 mg triptorelin acetate depot, group II (n. 54), was given 0.1 mg triptorelin acetate depot, group II (n. 54), was given 0.1 mg triptorelin acetate delay, to lowed by ovarian stimulation with recombinant FSE significantly lower in group I reallents of group I needed significantly lower in group I. Patients of group I needed significantly higher FSF4 does to achieve comparable levels of serum estradiof and preovulatory tollicles. The number of retrieved oocytes and transferable embyos was lower in group I. CZEUJICN Patients with protound endogenous stimulation dose requirements and of the patients of the comparable protours of the comparable pro

15/3, AB/21 DIALOQ(R)File 155:NEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

16611236 PM D: 15941853

Knockout of luteinizing hormone receptor abolishes the effects of

follicle-stimulating hormone on preovulatory maturation and ovulation of mouse graafian follicles. Pakarainen Tomi: Zhang Fu-Ping: Nurmi Laura: Poutanen Matti: Huhtaniemi

Department of Physiology, University of Turku, Fin-20500 Turku, Finland. Molecular endocrinology (Baltimore, Md.) (United States) Ct 2905 19 (10) p.2591-602, ISSN 0888-8809--Print Journal Code: 8801431;

19 (10) p2591-602, ISSN 0888-8809--Print Jo Contract/Grant No.: United Kingdom Wellcome Trust Publishing Model Print-Electronic

Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: FNGLISH

Document type: Journal Article; Fesearch Support; Non-U.S. Gov't Languages: ENALISH: N.M.

Record type: MEDLINE: Completed
it is considered a dogme that a secretory peak of LH is
indispensable as the trigger of ovulation, blowever, earlier studies on
hypophysectomized rodents have shown that stimulation with
the final stages of follicular muturation and trigger ovulation. As the
expression of ovarian LH receptors (LHRs) still persists after
hypophysectomy, such studies cannot totally exclude the possibility that
the visit this question, we analyzed in LHR knockout (LURX) meet
progression of follicular general and induction of ovulation by human
chorionic gonadotropin and human recombinant FSN treatments. The
results provide clear evidence that follicular development and ovulation
expression. Ovarian historogy and occycle enalyses indicated that follicular
maturation did not advance in LURXO mice beyond the antral follicular
gonadotropin treatments. The ovarian resistance to FSN treatment
provides considered that the possibility
mutual provides the provided to the possibility
mutual provides the provided to
mutual provides the
mutual provide

findings were not altered by estradiol priming preceding the gonadotropin stimulations. Hence, the present study shows that, in addition to s. Hence, the present study shows that, in addition to the expression of LHR is essential for follicular mouturation in

15/3, AB/22 DIALCQ(R) File 155: MEDLINE(R)

(c) format only 2008 Dialog, All rts, reserv.

the progression from antral to preovulatory stage.

PM D: 15972887

lookul-lagens universely and the second of t Research Centre for Reproductive Health, Department of Costetrics and maecology, University of Adelaide, Woodville, South Australia. Gynaecology, University of theresa, hickey@adelaide.edu.au

intersea.inckeysgateraloe.edu.au Biology of reproduction (United States) Cct 2005, 73 p825-32, ISSN 0006-3965--Print Journal Code: 0207224 Publishing Model Print-Electronic Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ISAQLSH

androgen-treated female animals.

December 1 December 1 Languages: ENGLISH Main of Catalon Owner: NLM Record type: MCLINE; Completed In this study, we test the hypothesis that the growth-promoting action of in this study, we test the hypothesis that the growth-promoting action of in this study, we test the hypothesis that the growth-promoting action of in this study, we test the hypothesis that the growth-promoting action of the control of t androgens on granulosa cells requires paracrine signaling from the oocyte. Mural granulosa cells (MGCs) from small antral (1–3 mm) prepubertal pig follicles were cultured in the presence or absence of denuded oocytes (Di from the same follicles to determine whether mitogenic and/or steroidogenic responses, to combinations of FSH, insulin-like growth factor 1 (IGF1), and dihydrotestosterone (DHT) were influenced by occyte-secreted (IGF1), and dihydrotestosterone (DMT) were influenced by occyte-secreted factors (CSF5). To further explore the identity of such factors we performed the same experiments, substituting growth differentiation factor 9 (CGF5), a known CSF. for the DO. CSF5 and CQMF9 both potentity enhanced in the property of the control o mitogenic effects, we demonstrate that both natural androgen receptor (Avej agonists, testosterone and LHT, doze-dependently augmented the mitogenic activity of the construction of the c proniferation in vitro by potentialing the growth-promoting effects of cocytes or CDF9, via a mechanism that involves the AR. These signaling pathways are likely to be important regulators of follicingeness in vivo. and may contribute to the excess follicile growth that is observed in

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15/3 AB 23
DIALCQ Rp File 155:MEDLINE(F)
(c) format only 2008 Dialog. All rts. reserv.

16471775 PM D. 1599850: DIALCQ Rp File
16471775 PM D. 1599850: DIALCQ Rp File
1647175 PM D. 1599850: DIALCQ Rp PM D. 1599850: DIALCQ
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Languages: ENGLISH
Main Of tail on Come.

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The purpose of this overview is to highlight important steps of ovarian regulation during follicle development, ovulation and the life span of corpus luteum (CL) in runnants. The ovarian cycle is central to reproductive function. It is characterized by repeating patierns of reproductive function. It is characterized by repeating patierns of follicle used to the control of the CL in the first part, the importance and regulation of follicle growth and especially of anglogenesis and blood flow during described.

Cur results underline the importance of growth factors (FGF) for development and ovulation as well as the formation, function and regulation of CL formation. It is characterized by the control of the CL in the first part, the importance of growth factors (FGF) for development and final follicle growth factor (FGF) for development and factor (FGF) and filbroblast growth actor (FGF) for development and succerime acting regulators is discussed. There is evidence that besides the main endocrine hormones untentically and the properties of the control of CL function by endocrine feparactine and autocrine acting regulators is discussed. There is evidence that besides the main endocrine hormones that control of CL function by endocrine feparactine and autocrine acting regulators as growth factor (FGF) for development and function. During early CL development until midule al stage oxytocin (OT), prostaglandins and progesterone (F) itself stimulate futed cell function. During early CL development until midule al stage oxytocin (OT), prostaglandins and progesterone (F) itself stimulate futed cell for the main enance (survival) of this endocrine tissue the major function of a commences, sterol dogenic capacity is lost (functional luted) signal from the endometrium At the end of a nonfertile cycle, the regression of CL commences, sterol dogenic capacity is lost (functional luted stips), cell death is a initiated, and tissue involuti

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15/3, AB/24

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(c) format only 2008 Dialog. All rts. reserv.

16/4/9608 PM D. 159/2010

Recombinant LH in ovarian stimulation.

Caglar Camere Sinem As immakopoulos Byron; Nikolettos Nikos; Diedrich Klaus

Al-Hasani Safaa

Department of Ostetrics and Gynecology, Medical University, Lubeck,

Both State Camere Sinem As immakopoulos Byron; Nikolettos Nikos; Diedrich Klaus

Al-Hasani Safaa

Department of Ostetrics and Gynecology, Medical University, Lubeck,

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to life ular growth occyte muturation, subsequent embryo development and assisted reproduction outcome during ovulation induction can now be better evaluated. This review evaluates the effect of rLH supplementation on ovarian stimulation and assisted reproduction outcome. The studies conducted with rLH supplementation in ovarian stimulations in review.

15/3. AB/25 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog, All rts, reserv. 16394094 PM D: 15860501 GnRH agonist versus GnRH antagonist in oocvte donation cycles: a prospective randomized study. Prapas N; Prapas Y; Panagiotidis Y; Prapa S; Vanderzwalmen P; Schoysman R Makedos G Thessal oniki, Greece.

4th Department of Costetrics and Gynecology, Aristotle University of

Human reproduction (Oxford, England) (England) p1516-20. ISSN 0268-1161--Print Journal Cod nd) (England) Jun 2005, 20 (6) Journal Code: 8701199

Trial: Comparative Study: Journal Article: Randomized Controlled Trial

Document type: Glinical Randomized Control ed Trial (Comparative Study, Journal Patiese, Randomized Control ed Trial Main of tation Owner: N.M. Record type: MEDLINE; Completed BACKGROUND: The specific role of LH in follioulogenesis and occyte maturation is unclear. GnRH antagonists, when administered in the late follicular phase, Induce a sharp decrease in serum LH which may whether the replacement of GnRH agonist (trip) or elini) by a GnRH antagonist (ganirelix; NV Cyanon) in occyte donation cycles has any impact on pregnancy and implantation rates. METHODS: Altotal of 148 donor IVF cycles was randomly assigned to use either a GnRH antagonist daily administered frollocular groups of the state of the special control occurrence occur

15/3, AB/26 DIALCG(R) File 155: MEDLINE(R)

(c) format only 2008 Dialog, All rts, reserv.

PM D: 15836954

16343983 PM D. 15836954
Molecular biology and physiological role of the oocyte factor, EMP-15.
Moore R Kell y? By imasaki Shanichi.
Noore R Kell y Interest R Kell y Int

Publishing Model Print Document type: Journal Article; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.; Review

Languages: ENGLISH

Languages: EMALISH Min Citation Owner: NLM Record type: MEDLINE; Completed The occyte factor, bone morphogenetic protein-15 (EMP-15) has proven to be critical for normal fertility in female mammals. The biological functions of recombinant EMP-15 demonstrate its capacity to promote Turning and the component of the compone growth through the stimulation of granulosa cell mitosis while simultaneously restricting FSH-induced follicle development through the suppression of FSH receptor mFNA expression. The in vivo the suppression of FSM receptor mFNA expression. The in vivo relevance of the role of BMP-15 was established by the identification of naturally occurring BMP-15 mutations in sheep, which cause infertility in hemozygous carrier ewes and, in striking contrast, increased fecundity in heterozygous carrier ewes due to an increase in ovulation quota. The necessity of BMP-15 for folliculogenesis in women has been recently established by the discovery of a BMP-15 mutation that is associated with ovarian dysgenesis. In contrast to the pronounced effects that the BMP-15 mutations have on folliculogenesis in sheep and humans, mice, which are homozygous for largeted deletions of BMP-15 exhibit only minimal defects in the ovulation process, leading to the proposal that there may be causal differences in the BMP-15 system of mono- and polyovulatory animals. Collectively, recent research on the occyte-secreted factor BMP-15 has provided exciting new opportunities for understanding ovarian physiology and femal e fertility.

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DIALOG(R) File 155: MEDLINE(R)
   (c) format only 2008 Dialog, All rts, reserv.
 16340208 PM D: 15834173
[Pole of foll cular fluid analysis in assessment of the main criteria of
folicul ଗୁଞ୍ଚଳଛଃ is in IVF program]
                Tsagareishvili G G
       Georgian medical news (Georgia (Republic)) Feb 2005, p18-23, ISSN 1512-0112--Print Journal Code: 101218222
                Publishing Model Print
               Document type: Comparative Study; English Abstract; Journal Article Languages: RUSSIAN
               Languages: RUSSIAN
Main Citation Owner: NLM
 Main Utation Owner: NEWN
Record type: MEDLINE; Completed
A comparative study was carried out to assess the main crite
follicula geneesis in follicular fluid of aspirated follicles during
the induction of super ovarian stimulation using recombinant follicle

The comparative fluid of the comparative fluid of the comparative fluid of the comparative fluid of the comparative fluid fluid of the comparative fluid flu
                                                                                                                                                        was carried out to assess the main criteria of
the induction of super ovarian stimulation using recombinant follicle stimulating hormone (r-F&t Conal-F), human menopausal gonadotropin (HMG Pergonale) and agonist gonadotropin releasing hormone (a-GhPt Diphereline 3.75 mg). 36 patients were included in the study: 37 were receiving r-F&t and 39 HMG two ampoules per day during the first 5 mid-vidual follicle on the first day of stimulation and starting from the 5th day, dally. Thus, the visualized follicles were identified and measured, photoregistered during the whole period of ultrasound guidance. During the transvaginal puncture of these follicles the appirated follicular fullul volume, existence of cocytes, and its estradiol hormones were recorded. Was found that the follicles hot groups of such tents of the second of the
 to 21 mm). The positive statistically significant correlation has been observed between the volume of follicular fluid and existence of oocytes in
 became pregnant. Thus, the comparative study of main criteria of folliculogeness in follicular fluid proved to be more preferable and sufficient using FSK-fin the ovarian stimulation protocol in IVF
 pr ogr am
         15/3. AB/28
 DIALOQ(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
   16280439 PM D: 15758864
 18230439 PM.D. 15758884
Use of GNFH antagonists in reproductive medicine.
Merviel P, Najas S; Campy H; Floret S; Brasseur F
Department of Costefrics. Gynecology and
Technology. GU Admens. Antens. France. merviel philippe@hu-amiens. tr
Technology. GU Admens. Antens. France. merviel philippe@hu-amiens. tr
C026-4784-Print Journal Code: 0400731
Publishing Model Print
Decument tower Journal Article; Review
                                                                                                                                                                                                                                                                                                                              Assisted Reproductive
               Document type: Journal Article; Review
Languages: ENGLISH
               Main Citation Owner: NLM
Record type: MEDLINE: Completed
 Conadotrophin-releasing hormone (ChRH) plays a key role in the secretion of gonadotrophins, follicle-stimulating hormone (FSH) and luteinizing hormone (LH), which regulate steroidogenesis and
   hormone (LH), which regulate steroidogenesis and foliculogenesis. Two GnPH antagonists, Cetrorelix and Ganirelix, deprived of histaminergic side-effects, have been introduced into ovarian
   stimulation protocols to prevent premature LH surges and proved their safety in clinical trials. All present, most of the published studies have not found significant differences in follicular recruitment, oocyte
   quality, and so on, except for a decrease in pregnancy and implantation rates in in vitro fertilization and embryo transfer (IVF-ET) cycles when the GnRH antagonist rather than the agonist was used. This decrease in
the GnH antagonist rather than the agonist was used. This decrease in pregnancy rates was in relation with a necessary learning curve of the pregnancy rates and the receptor; this effect was cancelled after cryopreserved embryo transfers because the pregnancy rates were similar between GnH antagonist and agonist in this case. GnH antagonist were the receptor in the receptor of th
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15/3. AB/27

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15/3, AB/29
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
              PM D: 15486232
The orphan nuclear receptors NUFR1 and NCFI-B modulate aromatase gene expression in ovarian granulosa cells: a possible mechanism for repression
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of aromatase expression upon luteinizing hormone surge Yimin; Chosh Sagar; Nishi Yoshihiro; Yanase Toshihiko; Nawata Hajime;

The Lauren Department of Biochemistry and Molecular Genetics, School of Medicine, University of Virginia, Charlottesville, Virginia 22908-0733, USA Endocrinology (United States) Jan 2005, 146 (1) p237-46, ISSN 0013-7227-

Document type: Journal Article; Research Support, U.S. Gov't, Non-P.H.S. Languages: ENGLISH

Languages: ENZLISH
Main Of tation Owner: N.M.
Record type: MEDLINE; Completed
Ovarian granulosa cells play pivotal roles in many aspects of ovary
functions including folliculiogenesis and steroidogenesis. In response

tunet ions including tolliculopenesis and steroidogenesis. In response
to FSH and Lit, the elevation of intracellular AMP level in
granulosa cells leads to activation of multiple ovarian genes. Here, we
report findings from a genome wide study of the CAMP-responsive gene
study identified 140 genes that are either activated or repressed by 2-told
or greater after sit mulation by the adentyly cyclase activator
forskolin. The induction patterns of some CAMP-responsive genes were
further analyzed by quantitative real-time PCR Consistent with previous
forskolin. The induction patterns of some CAMP-responsive genes were
further analyzed by quantitative real-time PCR Consistent with previous
forskolin. The induction patterns of some CAMP-responsive genes were
further analyzed by quantitative real-time PCR Consistent with previous
forskolin. The induction patterns of some CAMP-responsive genes were
further analyzed by quantitative real-time PCR consistent with previous
further analyzed by quantitative real-time PCR consistent with previous
further analyzed by quantitative real-time PCR consistent with previous
forskolin and the previous repress on were a happed to the minimal another sequence had confers camp responsiveness. Furthermore, the DW-binding domain of NuRfivas required for the repression. Taken together, these results strongly suggest a causal relationship between the rapid decline of aromatase mW-and induction of nuclear receptor subtantly 4 expression, which concomitantly occur upon LH surge at the later stages of ovarian follicular development.

DIALOGY B) File 155: MEDLINE(B) (c) format only 2008 Dialog. All rts. reserv.

PM D: 15380756

15973903 PM D. 15380756 [Blood of the Company of th

94276 Le

Publishing Model Print Document type: English Abstract; Journal Article Languages: FRENCH

Main Citation Owner: NLM Record type: MEDLINE; Completed Record type: MELINE: Completed with a graph of GFH antagonists, known for the promotion of the property of the similar for both groups, whereas the duration of the stimulation and is in la eer don't groups, were cause ne our all on or in early still as the autor. The possible of the possi

impact or oestration and uniferents. Grimm am agonists could be an inhibitor of the cell cycle by decreasing the synthesis of growth factors. The interaction of GriM antagonists and GriM receptors may compromise the mitotic programme of the cells and induce an alteration of follicul genesis, embryo quality and implantation. More studies are necessary to understand these results. Using of GriM antagonists involves

specific patient information on the benefits and drawbacks of such treatment before ART.

15/3, AB/31 DIALCQ(R) File 155; MEDLINE(R)

(c) format only 2008 Dialog. All rts. reserv. 15878616 PM D: 15087430 Pregnary associated plasma protein-a production in rat granulosa cells: stimulation by follicle-stimulating hormone and inhibition by the occyte-derived bone morphogenetic protein-15. Matsui Motozum; Sonntag Barbara; Hwang Seong Soo; Byerly Tara; Hourvitz Ariel; Adashi Eli Y; Shimasaki Shunichi; Erickson Gregory F Department of Reproductive Medicine, University of California San Diego, Department of Heproductive Medicine, university or Carinomia La Jolla, California 2029-30674, USA.
Endocrinology (United States) Aug 2004, 145 (8) p3686-95, ISSN 0019-72227-Print Journal Code: 0375040
Contract Grant No: US4 PD/2303, Pb, United States N CHD
Publishing Model. Print-Electionic Contract (Farmer). Us4 PD12303; Hz. United States NGCU

Document Type: Journal Article Research Support, U.S. Gov't, P.H.S.
Languages: ENZLISE: Completed

Main G fation Owner: N.M.

Record type: MEDLINE: Completed

Proceedings of the State protein-15 (BNP-15). BNP-15 alone had no effect on basal levels of "PAPP-A expression" by cultures of membrana GCs or GCSs. However, BNP-15 markedly inhibited the FSH stimulation of PAPP-A production in a dose-dependent manner. The cleavage of ICFBP-4 by conditioned media from FSH-1 reated GCs was completely inhibited by anti-PAPP-A antibody, indicating the ICFBP-4 protease secreted by GCs. is PAPP-A. These results demonstrate stimulatory and inhibitory roles for FSH and BNP-15, respectively, in regulating PAPP-A production by GCs. We propose that FSH and cocyte-derived BNP-15 form a controlling network that ensures follicle 15/3, AB/32 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv. PM D: 15019464 15672671 PM.D. 15019464
Influences of FStland EGF on primordial follicles during in vitro
culture of capir les ovarian cortical tissue
culture of capir les ovarian cortical tissue
culture of capir les ovarian cortical tissue
culture of capir les ovarians cortical
primordians of the cortical control of the cortical
primordians of the cortical cortical
process of the cortical cortical cortical
process of the cortical cortical cortical
process of the cortical c Publishing Model Print Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH Main Citation Owner Factors that control the onset of followingenesis are critical to female gamete production, but poorly understood. The aim of the present study was to investigate the effects of FSH and EGF on the activation study was to investigate the effects of ISH and Ext on the activation and growth of goal primordial follicles in vitro. To this end, pieces of goat ovarian cortex were cultured in vitro for 1, 3 or 5 days, at 39 degrees C in an atmosphere containing 95 00(2), in minimum essential medium supplemented with insulin, transferrin, selenium pyruvate, glutamine, hypoxanthine, BSA, penicillin, streptomycin and fungizone and with or supplemented with insulin, transferrin, selenium pyruvate, glutamine, hypoxanthine, BSA, penicillin, streptomycin and fungizone and with our test (100 mg/ml) and or EGF (100 mg/ml). At the end of the disternment of the selection of the selectio

affected the proportion of primordial follicles that entered the growth phase, both stimulated an increase in occyte and follicle diameter. phases in the second of the s expectations, meither Fish more burgarial rected follicle viability or or the first process of the process of the first process of the spontaneously in vitro, and that both FSH and EGF st increase in follicle size by promoting occyte growth.

15/3, AB/33

DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

15539313 PM D: 14748688

15539313 PM.D. 14746680
Ovarian gonaddrophin surge-attenuating factor (GhSAF): where are we after 20 years of research?
If a far 20 years of research?
If a far is the far is th

Publishing Model Print
Document Type: Journal Article; Research Support, Non-U.S. Cov't; Review
Languages: ENGLISH
Main Citation Owner, NLM
Record type: MEDLINE; Completed
Record type: MEDLINE; Completed
1970s. and Selection of the Print Selection of t

addition to its classic actions of stimulating aromatase activity and estration beeretain by oversian granulosa cells, FSH was found to estimate the second of the state of th

concept that GhSAF has a role in the regulation of LH secretion, the timing of the LH surge and the prevention of premuture lutein ization developed. For at least a decade, understanding of the specific GhSAF self-priming and antagonizing the stimulatory effects of osertadiol on GhSH induced. LH secretion, supported this concept. However, improved the changes in GhSAF hosticity in follicular fulled and serum that the main role of GhSAF is probably the negative regulation of pulsatile. LH secretion, mainly during the first half of the follicular phase, indicating a critical role in the regulation of follicular phase, indicating a critical role in the regulation of follicular speaks and osertadiol secretion.

15/3, AB/34 DIALCQ(R) File 155: MEDLINE(R)

(c) format only 2008 Dialog. All rts. reserv.

15478467 PM D: 14635928

Mechanisms regulating follicular development and selection of the dominant follicle. Webb R; Nicholas B; Gong J G; Campbell B K; Gutierrez C G; Garverick H A;

Armstrona D G Armstrong D G Apricultural Sciences, School of Brosciences, bhi versity of but is alom Loughborough LETS SRD, UK, box webshort Ingham ac Unphorough LETS SRD, UK, box webshort Ingham ac Uk, Paper oduction (Carbridge, England) Supplement (England) 2003, 61 p7:1-90, 105N 1477-0415-Print Journal Code: 101142074

p71-90, ISSN 1477-041 Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't; Review Languages: BNGLISH Languages:

Languages: ENZLES Min of the control of the control

recruitment of a group of follicles. Recruited follicles are characterized by induction of expression of mRNs encoding a range of steroi dogenic enzymes, gonadorophin receptors and local regulatory factors. As follicles continue to mature, there is a transfer of dependency from RSH to LH. Which may be part of the mechanism involved in selection of follicles for continued growth. The mechanism of selection of the ovulatory follicle seems to be linked to the timing of mRNA expression encoding LH. Tollicle seems to be linked to the timing of mFNA expression encoding LH and 3beta-hydroxysteroid dehydrogenase (3beta-1850) in granulosa cells. Locally produced growth factors, such as the insulin-like growth factors (GFs) and members of the transforming growth factor beta (GFbeta) superfamily (inhib ins. activins and bone morphogenetic protein s (BMFs)), continuum. The roles of growth factors of the continuum of the roles of growth factors of the continuum of the roles of growth factors. The continuum of the roles of growth factors and differentiation state, including morphology. In conclusion, it is the interaction of extraovarian such that are dependent on sportager by it is state a larger at least of restaurance of the state of the stat

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DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
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15/53857 PM D: 14607566

A double-blind, randomized, placebo-controlled study to assess the efficacy of ketoconazole for reducing the risk of ovarian hyperstimulation syndrome

Parsanezhad Mohammad Ebrahim, Alborzi Saeed; Pakniat Mahnaz; Schmidt Ernst Heinrich

nist menillion Shiraz University of Medical Sciences, Shiraz, Iran. parsame@aums.ac.ir Fertility and sterility (United States) Nov 2003, 80 (5) 11151-5, ISSN 0015-0282--Print Journal Code: 0372772 p1151-5

Publishing Model Print Document type: Clinical Trial; Journal Article; Randomized Controlled Tri al

Languages: ENGLISH Main Citation Owner: NLM

Main of tation Owner: N.M. Record type: MEDLINE. Completed CBLOTIVE: To evaluate the role of ketoconazole in prevention of ovarian hyperstimulation syndrome (CMS) in women with the polycystic ovary programment of the polycystic ovary consistency of the polycystic ovary many consistency of the polycystic ovary many consistency of the polycystic ovary DESIGN. Prospective: randomized, double-blind, placebe-controlled study. SETINAL biversity hospitals. Che hundred nine women with POCS who were referred for freatment with gonadotropins. INTERVENTION SI: Fifty patients 3 of the cycle and ketoconazole (SO mg every 48 hours starting on the first day of hMS treatment. Fifty-one patients received the same amount of hMS plus one tablet of placebo every 48 hours. MN NOUTOCM REASURE(S). The stimulation were higher among ketoconazole recipients. The servine (2) total number or nikus ampoule's and cutration of freatment to attain over an stimulation were higher among ketoconazole recipients. The serum E(2) level and number of patients with dominant folicles on day 9 of the cycle were greater in placebor recipients. Serum E(2) level and total number of folicles at the time of hC3 administration did not differ between the two groups. The cancellation rate and CHSS rate were similar in the two ine two groups, ine cancellation rate and U+SS rate were similar in the two groups. ONACUSION, SI: Keloconazole does not prevent O+SS in patients with POOS who are undergoing ovarian stimulation. It may reduce the rate of follicullogenesis and steroidogenesis.

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15/3, AB/36
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
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15450506 PM D: 14604074

Dynamic evaluation of ovarian reserve and abnormal androgen excess in

Moretti C: Toscano V

Department of Internal Medicine, Unit of Endocrinology University of Pome Tor Vergata, Fatebenefratelli Hospital Isola Tiberina, Home, Italy. Journal of endocrinological investigation (Italy) 2003, 26 (7 Suppl) p114-23

Document type: Journal Article; Review Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed The evaluation of the ovarian reserve is an important area of clinical Record type: MEDLINE: Completed
The evaluation of the ovarian reserve is an important area of clinical
investigation that gives information on endowment and functional activity
of remaining follicles within the ovary, thus concerning the tendle
reproductive potential. In necental and pediatric age, and ovarian failure
basal and dynamic tests that predict the ovarian reserve are particularly
useful in women undergoing assisted reproductive programs. Transvaginal

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ultrasound study of ovarian folliculegenesis performed simultaneously
 with the evaluation of cervical score, FSR LH and estradiol plasma levels, evidentiates follicular rupture and ovulation, indicating also the optimum tim ng of PSC administration. Basal day 3 FSR
   17-beta-estradiol and inhibin B plasma levels give information on the ovarian potential. Clomiphene citrate challenge test (COCT) and GnRH agonist simulation test (GAST) have clinical utility as indicators
   of ovarian reserve but their accuracy does not allow to be predictive in
   terms of number-per-unit tissue of the remaining follicle within the overy.
In the present paper the strategies to study hyperandrogenism and
 In the present paper the strategies to study hyperandrogenism and polycystic ovarian syndrome, a common cause of ovarian reserve reduction
 polycytation that in syntones a common cause of outdrainesserver seattless of the common cause of the cause of the common cause of the common cause of the common cause of the cause o
   the therapeutic strategies.
        15/3. AB/37
   DIALOG(R) File 155: MEDLINE(R)
   (c) format only 2008 Dialog, All rts, reserv.
 15454320 PM.D. 14580642
Effects of hCG3 on folliculogenesis and fecundity in mink
(Mustela vision Schreb).
Notchkov DV: Eryuchenkov PA
Laboratory of Evolutionary Genetics, Institute of Cytology and Genetics,
Sherian Department Russian Academy of Sciences, Novosibirsk 630090.
   Russia. iplysn@sionet.nsc.ru
 Theriogenology (United States) Dec 2003, 60 (9) p1583-93, ISSN 0093-691X--Print Journal Code: 0421510 Publishing Model Print
            Document type: Journal Article
Languages: ENGLISH
              Languages
            Main Citation Owner: NLM
            Record type: MEDLINE: Completed
              The endogenous hormonal response obtained after reproductive organs are
The endogenous hormonal response obtained after reproductive organs are challenged by exogenous hormones is increasingly being used to predict presence of functional reserves and to apply this information to improve efficiency of managed breeding programs. With that in mind, the aim of the fine the program of the property of the program of the progr
ovaries and uteri was done during seasonal anestrus (November) and in the breeding season (March). Vaginal cytology patterns were correlated with changes in follicles were counted during estrus, while the mean number seen during entry, but an extrustrus, and proestrus, were 0.4, 0.3 and 1.0, respectively. During the breeding season, in femals that were not treated respectively. During the breeding season, in femals that were not treated increased, whereas females that came in estrus after treatment with MCG in November had increased numbers of both growing and muturing follicles. Fertility after breeding in NCG-treated females was increased by 9.2% (FCO.05) as compared to untreated females. Females showing the highest fertility rise (27% were predominantly in the group the response of them in Feoroductive system to NCG it must not in oring
 the response of the mink reproductive system to hOG stimulation in November may be a useful tool for identifying females of high fertility
   in the spring.
        15/3, AB/38
   DIALOG(R) File 155: MEDLINE(R)
   (c) format only 2008 Dialog. All rts. reserv.
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15422198 PM.D. 12890738

Epression and functional role of peroxisome proliferator-activated receptor-gamma in ovarian follicultoganesis in the sheep. Froment Pascal, Fabre Slephane, Dupont Joelle; Pisselet Claudine; Chesneau Didier; Staels Bart; Monget Philippe Physiologie de la Reproduction et des Comportements, UMR 6073 INRA-CNRS-Universite F, Rabelais de Tours, 37380 Nouzilly, France. Biology of reproduction (Uhited States) Nov 2003, 69 (5) pit65-74, ISSN 0006-3363-Print Journal Code: 0207224 Publishing Model Print Leetronic Cocument types Johnal Article; Research Support, Non-U.S. Cov't Milip Qitation Owner: N.M.

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Record type: MEDLINE: Completed Peroxisome proliferator-activated receptor (PPARgamma) is a nuclear receptor that is activated by fatty acids and derivatives and the antidiabetic glitazones, which plays a role in the control of lepid and PPARgamma plays a role in reproductive tissues by studying its expression and function in the hypothalamo-pituitary-ovary axis in the sheep. PPARgamma plays a role in reproductive tissues by studying its expression and function in the hypothalamo-pituitary-ovary axis in the sheep. PPARgamma and PPARgamma certacts. In situ hybridization to literary and ovary but not in hypothalamic extracts. In situ hybridization follicles. Interestingly. PPARgamma expression was higher in small antrail (1-3 mm diameter) than in preovulatory follicles (>5 mm diameter) (P < 0.001) and was not correlated with healthy status. To assess the biological activity of ovarian PPARgamma ovine granulosa cells were transfected with rosiglitazone. A pPARgamma ligand, stimulated reporter gene expression, showing that endogenous PPARgamma is functional in ovine granulosa cells in vitro. Whereover, rosiglitazone inhibited granulosa cell proliferation (P < 0.05) and increased the secretion of progesterone in vitro (P < 0.05). This from large follicles. In contrast, rosiglitazone had no effect on LER FSH, prolactin and growth hormone secretion by ovine pituitary cells in vitro. Overall, these data suggest that PPARgamma ligands might stimulate follicular differentiation in vivo likely through a direct action of granulosa cells rather than by modulating pituitary hormone secretion.

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15/3/AB/99

DALCA QRTILE 156. MEDLINE (P)

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Reproductive Endocrinology Conter, University of Bologna, Bologna, Italy.

mrcc. fill cori @anibo.it

Fertility and sterility (United States) Aug 2003, 80 (2)

9800-7, ISSN 0015-0282- Print Journal Code: 0372772

9800-7, ISSN 0015-0282- Print Journal Code: 0372772

Document type: Clinical Trial; Comparative Study; Journal Article; Randomized Controlled Trial Languages: ENGLISH

Main Clation Owner. Main Main Clation Owner. Main Clation Owner. Main Clation Owner. Main Clation Owner. Main Clatic University of the Comparative Study; Journal Article; Randomized Controlled ovarian stimulation performed with recombinant FSH-alpha or hMG

ESI GN. Controlled, prospective, randomized comparison of fixed gonadotropin regimens. SETIIN & Academic research institution. PATIENT(S): FITY intertile patients who were candidates for IUL. INTERVENTION S): FITY intertile patients who were candidates for IUL. INTERVENTION S): FITY intertile patients who were candidates for IUL. INTERVENTION S): FITY intertile patients who were candidates for IUL. INTERVENTION S): FITY intertile patients who were candidates for IUL. INTERVENTION S): FITY intertile patients who were candidates for IUL. INTERVENTION S): FITY intertile patients who were candidates for IUL intervention S. FITY of IUL and S. Station S. Stat

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DIALOG(R) File 155; MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

¹⁵³⁰²⁵⁸² PM D: 12890591 Current concepts and novel applications of LH activity in ovarian slimilation.

Filicori Marco: Cognipni Graciela E; Pocognoli Patrizia; Ciampaglia Walter: Bernardi SIlvia Reproductive Endocrinology Center, University of Bologna, Via Massarenti 13, 40138 Bologna, Italy, marco.filicori@mibo.it

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Trends in endocrinology and metabolism TEM (United States) Aug
183, 14 (6) p.267-73, ISSN 1043-2760--Print Journal Code:
  9001516
         Publishing Model Print
         Document type: Journal Article; Review Languages: ENGLISH
         Main Citation Owner: NLM
         Record type: MEDLINE; Completed
Luteinizing hormone (보타) is a crucial physiological regulator of
  the human menstrual cycle. LH activity is also contained in many medications used to treat anovulation and to stimulate multiple
 the human menstruar cycre. Lit activity is also contained in munimized and in many contained and the first solution and to stimulate multiple folliculogenesis for assisted reproduction techniques. However, Lit activity had previously been regarded as just a contain mant of follicle-stimulating hormone (FSH)-containing products and deemed potentially detrimental for reproductive function. Novel experimental and
 potentially detrimental for reproductive function. Novel experimental and clinical evidence now suggests that the administration of pharmacological amounts of titactivity, instead of being harmful, is therapeutically advantageous, particularly in the support and modulation of ovarian folliculogamasis. The aim of this article is to provide an overview of the effects of titactivity administration in ovarian stimulation and to outline novel unconventional gonadotropin regimens that might improve the efficacy, safety and convenience of ovulation
  induct i on.
     15/3, AB/41
  DIALOG(R) File 155: MEDLINE(R)
  (c) format only 2008 Dialog. All rts. reserv.
  15253847
                                      PM D: 12831587
            Pregnancy after administration of high dose recombinant human LH
one to support final stages of follicular maturation in a woman with
 alone to support that stages of foliatular maturalion in a woman with long-standing hypogonadotrophic hypogonadism. Balasch Juan, Fabregues Francisco institut Qinic of Gynecology, Costetrics and Neonatology, Faculty of Medicine-Livievsity of Barcelona, Hospital Qinic Institut d'Investigacions Blomediques August Fi Sunyer, Barcelona, Spain, jbalasch@medicina.ub.es Domedicine Online (England) Jun 2003, 6 (4) p. 2003.
  Publishing Model Print; Comment in Reprod Biomed Online.
Sep;7(2) 254-5; author reply 255-7; Comment in PMD 14567902
Document type: Case Reports; Journal Article
         Document type: Case
Languages: ENGLISH
         Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed
 mecord type: MEDLINE; Completed
Traditionally, the roles of Lift in follicul openesis have been considered to be limited to stimulating theca cells androgen production, triggering ovulation and supporting the corpus Luteum However, in the late stages of follicle development, granulosa cells become received.
triggering ovulation and supporting the corpus luteum However. In the late stages of follicie development, granulosa cells become receptive to LH stimulation and LH becomes capable of exerting its actions on both theca cells and granulosa cells. Thus, it has been postulated that once an appropriate (i.e. LH-responsive) stage of follicular development has been achieved in response to treatment with FSH. there are theoretical grounds for reducing or completely dominant follicie with the expense of the control of the complete of the comple
  single dominant follicle measured 22 mm in diameter and oestradiol serum
concentration was 148 pg/ml. Thus, an injection of 10,000 lU i.m. human
chorionic gonadotrophin was given and sexual intercourse was advised. The
  patient conceived and a viable singleton intrauterine pregnancy was
   obt ai ned.
  DIALOG(R) File 155: MEDLINE(R)
  (c) format only 2008 Dialog. All rts. reserv.
         177093 PM D: 12740151
Comparison of recombi
                                                                   recombinant human luteinising hormone (r-hLH) and human
  menopausal gonadotropin (hMG) in assisted reproductive technology.
    Baer & Loumaye E
Laboratoires Serono, Vevey, Switzerland, gianni baer@serono.com
Current medical research and opinion (England) 2003, 19
p83-8, ISSN 0300-7995-Print Journal Code: 0351014
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Publishing Model Print

Document type: Comparative Study; Journal Article; Review Languages: ENGLISH

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Record type: MEDLINE; Completed
  Follicle-stimulating hormone (FSH) and luteinising hormone (LH) act in concert in the stimulation of folliculogenesis
      and ovulation. However, high levels of LH promote follicular atresia and early miscarriage, and this has led to the concept of a 'therap window' of LH for successful conception in assisted reproductive
                                                                                                           and this has led to the concept of a 'therapeutic
 window of the for successful conception in assisted reproductive rechnology (ART) and ovulation induction. That in now win nary-derived human menopausal gonadoropin (hMG) has been the only available source of exogenous LH activity. hMG preparations contain highly variable levels of LH and are often augmented with human chorionic gonadoropin (hGG), which minds LH activity. Accumulation of the containing the c
       15/3, AB/43
   DIALOG(R) File 155: MEDLINE(R)
   (c) format only 2008 Dialog. All rts. reserv.
   14999385 PM D: 14666146
           Role of LH in controlled ovarian stimulation.
             Wesak Teresa
                                           Institute for Reproductive Medicine, Brick, NJ 08724, USA.
           Shor e
  Shore Institute for Heproductive Met

twiesak@aol.com

Reproductive biology (Poland) Nov 20:

1642-491X-Print Journal Code: 101160559

Publishing Model Print

Document type: Journal Article; Review

Languages: ENGLISH
                                                                                                                                                   Nov 2002, 2 (3) p215-27, ISSN
Languisnes: EMQLISH
Min Of tation Comer: NLM
Record type: MEDLINE: Completed
Controlled ovarian stimulation has become an integral part of
Controlled ovarian stimulation has become an integral part of
infertility treatment. Specific gonadortopin based protocols become the
detrimental effect on premature LH surges on occytes and/or
endometrium development, the GnRH analogs have been incorporated into
controlled ovarian stimulation strategies. With the availability of
recombinant gonadoropins (i.e. recombinant FSH devoided of LH
recombinant gonadoropins (i.e. recombinant FSH devoided of LH
of the strategies of the strategies with the availability of
recombinant gonadoropins (i.e. recombinant FSH devoided of LH
of the strategies of the strateg
  exogenous LH may vary with the ChRH-agonists and antagonists regiment used. The optimal amount of LH or ratio FSH to LH used
  during the rapeutically stimulated growth of follicles is still a problem that needs to be solved in the near future.
       15/3 AR/44
   DIALOG(R) File 155: MEDLINE(R)
   (c) format only 2008 Dialog. All rts. reserv.
   14941289 PM D: 12498424
               The use of LH activity to drive folliculogenesis: exploring
   uncharted territories in ovulation induction.
           Filicori Marco; Cognigni Graciela E; Samara Arafat; Melappioni Silvia;
erri Tiziana; Cantelli Barbara; Parmegiani Lodovico; Pelusi Giuseppe;
   DeAlovsio Domenico
           Reproductive Endocrinology Center, University of Bologna, Bologna, Italy,
   filicori@med.unibo.it
      Human reproduction update (England) Nov-Dec 201
p543-57, ISSN 1355-4786--Print Journal Code: 9507614
                                                                                                                                                                                                                                    2002. 8
             Publishing Model Print
           Document type: Journal Article; Review
Languages: ENGLISH
          Languages: ENALISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed
Lif plays critical roles in the control of folliculogenesis
Lif plays critical roles in the control of administration during
             Languages:
   gonadotrophin ovulation induction can enhance ovarian response and optimise
  gonator (opin to wull atton induction can enhance ovarian response and optimise 
treatment. More specifically, Litactivity (both Lit and low dose 
NCQ can support the growth and stimulate the maturation of 
larger ovarian follicles as as result of specific granulosa cell receptors 
that develop after a few days of FSH priming. This action of Lit 
is independent of FSH, and tin as been shown recently that the last 
stages of follicular development can be supported by sole administration of 
Lit activity in the form of low dose hCQs without causing
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Main Citation Owner: NLM

premature luteinization. Reproductively competent oocytes and pregnancy can premiature futering attoin. Perponactively competent observes and pregnancy can be obtained with this regimen. Furthermore, LH activity is capable of reducing the development of small ovarian follicities (<10 mm) that may predispose patients to developing complications such as the ovarian hyperstimulation syndrome. Thus, better understanding of the dynamics and mechanisms, that control human felliculogenesis and a more rational and selective use of LH activity administration may allow a reduction in cost and increased safety, while maintaining a high efficacy of the ovulation induction regimens used in assisted reproduction.

DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

PM D: 12417011

Folliculogenesis and ovarian expression of mRNA encoding aromatase in ancestrous sheep after 5 days of glucose or glucosamine infusion or

in ancestrous sheep atter or ways or year.

supplementary lupin feeding.
Munoz-Qutierrez M Blache D. Martin G B, Scaramuzzi R J
Department of Veterinary Basic Sciences, Royal Veterinar
University of London, Royal College Street, UK. mmunoz@vc.ac.uk
University of London, Boyal College Street, UK. mmunoz@vc.ac.uk Veterinary College. 124 (5)

nversity or London, Hoyal College Street, UK. mmunoz@vc Reproduction (Cambridge, England) (England) Nov 2002 7721-31, ISSN 1470-1626--Print Journal Code: 100966036 Publishing Model Print p721-31 Document type: Comparative Study; Journal Article; Research Support, Non-U.S. Gov't

nn-U.S. covi Languages: ENGLISH Main Citation Owner: NLM

Record type: MEDLINE; Completed Improved nutrition increases ovulation rate in sheep and there is Improved nutrition increases ovulation rate in sheep and there is evidence that intra-ovarian pathways mediate responses to nutrition. An experiment was conducted to examine the effect of dietary energy on straw alone (control, n = 5), or wheat straw supplemented with lupins (500 g day(-1), n = 5). Or her eves were fed wheat straw and infused with glucose (50 mmol hi, 10 = 5) or with glucosame (5.5 mmol hi(-1), n = 5) or with straw and infused with glucose (50 mmol hi(-1), n = 5) or with glucosame (5.5 mmol hi(-1), n = 5) or with gluco the ewes were injected with a regimen of GhH pulses (900 ng every 4 h from 0 to 12 h; 250 ng every 2 h from 14 to 24 h; and 20 ng every 1 h from 25 sponge removal, the animals were killed and the ovaries were collected and stored at -80 degrees C. The ovaries were sectioned serially every 10 m crom Every 20th section was stained (to estimate number and diameter of follicles) and every 1.7 19th section was probed by in situ hybridization for P(450) aromatase. Data were analysed using ANDA and chi-squared tests. There was an effect of treatment (P < 0.05) on the number of tollicles 2 for animals, the animals, the largest follicle scale of the control of the co and this effect may be mediated by changes in systemic leptin concentrations and the hexosamine energy-sensing pathway in the follicle.

15/3. AB/46

DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

14874476 PM D: 12417300

Identification and functional analysis of novel phosphorylation sites in Cx43 in rat primary granulosa cells.

Yogo Keiichiro; Oqawa Takuya; Akiyama Motofusa; Ishida Norihiro; Takeya

Graduate School of Biological Sciences, Nara Institute of Science and

Technology, Ikoma, Nara 630-0101, Japan. FEBS letters (Netherlands) Nov 6 2 6 2002, 531 (2) p132-6, ISSN Journal Code: 0155157 0014-5793- · Print

Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH

Languages: EN3LISC NM MAIN Of 1810 Owner NM MAIN OWNER

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granulosa cells and found that FSH stimulation elevated the
     phosphorylation in addition to the protein level of Cx43. Serine residues
  prosporcy at ion in adultion to the protein level of LX43. Serine residues in the carboxyl-terminal region were exclusively phosphoryl ated in this system and we identified Ser365, Ser368, Ser369 and Ser373 as major phosphoryl ation sites by FSH stimulation. A CX43 variant containing mutations at all these serine residues was found to severely reduce dye transfer activity when assayed in HeLa cells. The present study reduce dye transfer activity when assayed in HeLa cells. The present study
  revealed a novel regulatory mechanism of Cx43-mediated gap junctional intercellular communication through phosphorylation in the carboxyl-terminus.
              15/3. AB/47
     DIALCG(R) File 155: MEDLINE(R)
     (c) format only 2008 Dialog. All rts. reserv.
  14736529 PM D. 12151429
Modulation of full-cull ogenesis and steroidogenesis in women by
graded menofrophin administration
graded menofrophin administration
graded menofrophin administration
graded processing to the processing of the processing o
                       Reproductive Endocrinology Centre, University of Bologna, Bologna, Italy.
     filicori@med.unibo.it
  Human Ferroductions - Hongland) (England) Aug 2002, 17 (8)
Human Ferroductions - 161- Print Journal Code: 870:199
Publishing Model Print
Document type: Glinical Triat; Journal Article: Randomized Controlled
Triat; Research Support, Non-U.S. Cov't
Languages: ENGLISH
                       Languages. Execution
Main Of tation Owner: NLM
Record type: MEDLINE; Completed
BACKGROUND: To test the effects of progressively decreasing dosages of
BACKGROUND: To test the effects of progressively decreasing dosages of exogenous LH we combined various amounts of HMG containing FSH. CH and HCQ and highly purified (HP) FSH to freat 120 candidates for CHH agon 120 candidates
  adjustments were allowed only after the 14th treatment day. Monitoring included transvaginal ultrasound at 2-day intervals and daily determinations of LH2 SMF, set adjust (E(2)). Diggesterons that the state of th
serum LH levies. Serum testosterone levels were positively correlated to the LH activity dose administered (r = 0.313, P < 0.001), while serum progesterone levels were positively correlated to the FSH dose administered (r = 0.447, P < 0.00001) but not to the LH activity dose administered. ONGLUSIONS: Firstly, MG2 content considerably contributes to HM3 activity; secondly, menotrophin LH activity content can reduce in a dose-dependent manner the occurrence of small pre-outlatory follicles; and finally, contrary to common belief, enhanced FSH stimulation rather than LH activity appears to cause premature follicle lutein zet no description.
              15/3. AB/48
     DIALOG(R) File 155: MEDLINE(R)
     (c) format only 2008 Dialog, All rts, reserv.
                                                                                                 PM D: 12137883
  "A la 1924 (ph. 1924) of the state of the st
     rarmentalin Locovice berhardistika. In a singali a watter of Costefrics a 
Speciology, milversy of Diologna, Bologna, Day illiliconi@endunibo.it 
Fertility and sterility (United States) Aug 2002, 78 (2) 
p.414-6. ISSN 0015-0282-Print Journal Code: 0372772
                          Publishing Model Print
                       Document type: Case Reports; Journal Article
Languages: ENGLISH
                       Main Citation Owner: NLM
  Main Giation Owner: N.M.
Record type: MEDLINE; Completed
Record type: MEDLINE; Completed
DESIGN Complete State
Complete
Com
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administered low-dose hC3 (200 IU/d) alone for 5 days in one FSH with low-dose hCS for several days in the late ovulation induction stages of assisted reproduction technology technology and production technology control of including preovulatory, follicle pattern consisting of many large and lew medium and small follicles; and [3] reproductively competent occytes and pregnancy.

15/3, AB/49 DIALOG(R) File 155: MEDLINE(R)

(c) format only 2008 Dialog. All rts. reserv.

PM D: 12137863

A random zed double-blind comparison of the effects of clomiphene citrate and the aromatase inhibitor letrozole on ovulatory function in normal women.

Fisher Stephanie A; Reid Robert L; Van Vugt Dean A; Casper Robert F Division of Reproductive Endocrinology and Infertility, Department of Costetrics and Gynecology, Queen's University, Kingston General Hospital, Ontario, Canada.

Fertility and sterility (United States) Aug 2 280-5, ISSN 0015-0282--Print Journal Code: 0372772 2002, 78 (2) p280-5.

pzou-s, ISSN UUIS-UZSZ-Frint Journal Code: 0372772 Publishing Model Print Document type: Clinical Trial; Journal Article; Randomized Controlled Trial; Research Support, Non-U.S. Gov't Languages; ENGLISH

Main Citation Owner: NLM Record type: MEDLINE; Completed OBJECTIVE: To evaluate the Record type: MEDLINE: Completed CRJECTINE: To evaluate the ovarian follicular dynamics of cycle modification with the aromatase inhibitor letrozole compared with clomphene citrate in normal ovulatory worms. DESIGN. Randomized double-blind controlled trial. SETTINA: Tertiary care hospital. PATIBNT(S): Note en ovulatory venual to yellow the patients of the patients of the patients. PATIBNT(S): Note en ovulatory female volunteers, ages 18.35 years. INTERVENTION; S): It is to be set to measured daily, follicular profiles of LH and FSH are similar between the groups in both the natural and medicated cycles. In the measured of the profile of

15/3, AB/50 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

14534997 PM D. 11889180
Stimulation and growth of antral ovarian follicles by selective
Hactivity administration in women.
Filicori M. Cognigni G. E. Tabarelli C. Pocognoli P; Taraborrelli S;
Spettoli D. Gampaglia M.

Endocrinology Center, University of Bologna, Bologna 40138,

Spettoli D, Glampegre...
Reproductive Endocrinology Center, University,
Italy, filicori@hed.unibo.lt
Journal of clinical endocrinology and metabolism (United States)
Journal of clinical endocrinology and metabolism (United States)
2002. 87 (3) pti56-61, ISSN 0021-972X-Print Journal Code:

Publishing Model Print Document type: Journal Article Languages: ENGLISH Main Citation Owner: NLM

Nation Little on Profession and State of the State of the

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the hypothesis that, in the late stages of ovulation induction, LH
    the hypothesis that, in the late stages of ovulation induction, LH activity in the form of low dose human GS [NG2] can stimilate activity in the form of low dose human GS [NG2] can stimilate and growth, independently of SHR and growth independently of SH
of NGQ-t-freated patients successfully completed treatment. In these subjects, preovulatory E2 levels and large (-14 mm diameter) ovarian follicle development were not reduced; conversely, the number of small (<10 mm diameter) ovarian follicles was significantly decreased in groups B-D vs. group A Low-dose NGQ administration did not cause follicle was considered to the construction of the construction o
                                                               hQG-treated patients successfully completed treatment. In these
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15/3. AB/51 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

14380732 PM D: 11741284

Follistatin inhibits the function of the cocyte-derived factor BMP-15. Clauka F: Mobre R K, Iemura S; Deno N, Shimsaki S Department of Peproductive Medicine, University of California San Diego. School of Medicine, 9500 Gimm Drive, La Jolía, California 92093-0633,

Biochemical and biophysical research communications (United States) 0372516

Contract/Grant No.: F32 HD41320-01; HD; United States NICHD; HD07203-17; HD: United States NICHD: U54HD12303; HD: United States NICHD

Research Support.

Languages: ENGLISH Main Citation Owner: NLM

15/3. AB/52

Record type: MEDLINE: Completed

Menord is the MEDIANE. Completed
Recent is time NEGIANE. Completed
Recent is time in the Mediane inhibition or FSH receptor mr4N4 expression leading to the suppression of induced progesterone synthesis. The time the first progesterone synthesis and biologic behavior of the first progesterone synthesis and biologic progesterone for the first progesterone synthesis and biologic progesterone for the formal synthesis and the first progesterone for the formal synthesis and the formal synthesis devel opment.

DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv. PM D: 11704115 The physiology of folliculogenesis: the role of novel growth factors Erickson G.F: Shimasaki S. Department of Reproductive Medicine, School of Medicine, University of California, San Diego, La Jolla. California 92093-0674. gerickson@ucsd.edu Fertility and sterility (United States) Nov 2001, 1943-9, ISSN 0015-0282-- Print Journal Code: 0372772 Contract/Grant No.: U54 HD12303; HD; United States NICHD Nov 2001, 76 (5) Publishing Model Print
Document type: Journal Article: Research Support, U.S. Gov't, P.H.S.:

Revi ew

Languages: ENGLISH Main Citation Owner: NLM Record type: MEDLINE; Completed CBJECTIVE: To assess m To assess major physiological events underlying s, including FSH-dependent dominant follicle folliculogenesis, including FSH dependent dominant follicul (DF) formation, LFYRCQ signaling, and the role of novel regulatory molecules in these developmental processes. DESI DESIGN: Review of some of the past and recent advances in ovarian biology, focusing attention two novel occyte-derived growth factors, growth differentiation (GDF-9) and bone morphogenetic protein (BMP-15); and [2] a on [1] two factor-9 (G Vactor's (CDF-9) and hone morphogenetic protein (BMP-15); and [2] a recently discovered follower includer in which like growth factor binding protein-4 (IGFBP-4) protease, pregnancy-associated plasma protein-A (PAPP-A), that can degrade the FSH-tantagonist IGFBP-4, HSELT(IS; Cocyte-derived GDF-9 and BMP-15 are obligatory for following beautiful to the following the standard of the standard granulosa cell proliferation and modulate KSH-dependent primary occytes supports the hypothesis that GDF-9 and BMP-15 could be involved in ovary function in women. Pregnancy-associated plasma protein-A is a marker for the human dominant follicle and its product the corpus luteum raising the possibility that this putative FSH antagonist might regulate FSH bicactivity during folliculogenesis. CONCLUSICA(S): Cocyte-derived and granulosa-derived regulations and the content of these novel proteins in ovary physiology and pathophysiology in women. 15/3, AB/53 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv. 265388 PMD: 11566718
Effect of bone morphogenetic protein-7 on followloosnesis and ovulation in the rat. Lee W.S: Otsuka F: Moore R.K: Shimasaki S Department of Reproductive Nedicine, University of California San Diego, School of Medicine, La Jolla, California 92093-0633, USA Biology of reproduction (United States) Cct 2001, 65 (4) Biology of reproduction (994-9, ISSN 0006-3363--Print Journal Code: 0207224 Contract/Grant No.: T32 HD07203-17; HD; United States NICHD; U54HD12303; Contract dam No. 132 http://doi.org/10.1009/17. Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed Record type: MEDLINE: Completed We have previously established the presence of a functional bone morphogenetic protein (BMP) system in the ovary by demonstrating the expression of BMP ligands and receptors as well as novel cellular functions. Specifically, BMP-4 and BMP-6 expression of BMP ligands and receptors as well as novel cellular functions. Specifically, BMP-4 and BMP-6 expression in the case of the functions of SMP of the strain of the second of the string latery action of FSH on estradiol and progesterone production, respectively. To investigate the underlying mechanism of the differential regulation, we analyzed mRNA levels for key regulators in the steroid biosynthetic pathways by RNse protection assay. BMP-7 enhanced PSS protein (SAR) mRNS induced by FSH, whereas mRNSe encoding further-downstream steroidogenic enzymes, including P450 side-chain cleavage enzyme and Shefa-hydroxysteroid dehydrogenase, were not significantly altered. These findings suggest that BMP-7 stimulation and progesterone production. To establish the physiological relevance of BMP functions, we investigated the in vivo effects of BMP functions. est adiol and projecterone production. To establish the physiological relevance of BMP functions, we investigated the in vivo effects of injections of recombinant BMP-7 into the ovarian bursa of rats. Ovaries treated with BMP-7 had decreased numbers of primordial follicles, yet had increase Multiples of precional examination and annual folicles suggesting that BMP-7 may act to facilitate the transition of folicles from the primordial stage to the pool of primary, preantral, and antral folicles. In this regard, we have also found that BMP-7 caused an increase in DNA in this regard, we have also lound that bM-/ caused an increase in DNs synthesis and proliferation of granulosa cells from small antral follicles in vitro. In contrast to the stimulatory activity, BM-7 exhibited pronounced inhibitory effects on ovulation rate and serum progesterone levels. These findings establish important new biological activities of BM-7 in the context of ovarian physiology, including folliculogenesis and ovulation.

15/3, AB/54 DIALOG(R)File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

14171503 PM D: 11451583

actions of inhibin and activin during Production and folliculogenesis in the rat. Findlav JK: Drummond AE: Dyson M. Baillie AJ: Robertson DM: Ethier J

Prince Henry's Institute of Medical Pesearch, P.O. Box 5152, Vic. 3168, Clayton, Australia. jock findlay@nd.monash.edu.au Molecular and cellular endocrinology (Ireland) Jun 30 2001, 180

Journal Code: 7500844

(1-2) p139-44, ISSN 0303-7207--Print Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't; Review Languages: FNGLISH Languages:

Languages: EMALISH
Main Offation Owner: NLM
Record type: MEDLINE: Completed
Evidence to enhance the premise that inhibin and activin are local
regulators of ovarian felliculogenesis is presented in this review.

Granulosa cells (GC) have been identified as the source of inhibin/activin in the ovary on the basis of mRNA and protein localisation and the measurement of the inhibin forms in GC conditioned media. Expression of the insurement of the inhibitories in CC conditioned multiple states on and the subunit infface hanged with follicular development, being maximal in the ovaries of 8-day-old rats, where secondary follicles predominate. The expression of beta subunit infface y CC isolated from diethylstilboestrol (DES)-treated immature rats, was reduced in the absence of any change in alpha subunit inffAce expression. Dimerici inhibin A. B and free alpha subunit inffAce expression. Dimerici inhibin A. B and free alpha subunit inhibin A production by these cultures was responsive to FSM and TGF-beta, with preantal follicles of day 8 ovaries exerting effects so profound that the inhibin A value of the production. In contrast, inhibin B was not stimulated by TGF-beta until day 8 and FSM until inhibin B was not stimulated by TGF-beta until day 8 and FSM until inhibin B was not stimulated by TGF-beta until day 8 and FSM until inhibin B was not stimulated by TGF-beta until day 8 and FSM until inhibin B was not stimulated by TGF-beta until day 8 and FSM until inhibin B production declines with follicular development. Activin receptor types. I and II, Smds 1-8, and betagly youn (betagly youn minibility and III) smds 1-8, and betagly youn feets glycan minibility and inhibin were present

inhibin-B production declines with follicular development. Activin receptor types I and II, Smads 1-8 and betaglycan (beta-glycan) mRNWs were present in the rat ovary and showed distinct patterns of expression between postnatal days 4 and 12. Ocytes and GClocal ised activin receptor, Smad and beta-glycan proteins, with beta-glycan also present in theca cells (TQ. These data indicate that activin/TG-beta signalling machinery and factors which influence these pathways, are present in the postnatal rat ovary. Qur hypothesis that inhib in and activin play important and changing autocrine/paracrine roles in the growth and differentiation of follicles, including the occyte, has been supported by these studies.

15/3, AB/55

DIALOQ(R) File 155: MEDLINE(R) (c) format only 2008 Dialog, All rts. reserv.

14093385

4093385 PM D: 11358118 Mechanism of GnRH receptor signaling on gonadotropin release and gene

Mechanism of GnRH receptor signaling on gonadotropin release and gene expression in pituitary gonadotropia.
Shacham S. Harris D. Ben-Shlomo H. Oben I; Bonfil D. Przedecki F; Lewy H. Department of Bicchem Stry. George S. Wise Faculty of Life Sciences, Sackler Faculty of Medicine, Tel Aviv University, Ramat Aviv, Israel.
Vitamins and hormones (Inited States) 2001, 63 p63-90, ISSN 0083-6729-Print Journal Code: 0413601
Publishing Model Print Fattler Seasor's Nanort Menuls C. CW'! Beview

Document type: Journal Article; Research Support, Non-U.S. Gov't; Review Languages: ENGLISH

Main Citation Owner: NLM Record type: MEDLINE; Completed

n releasing hormone (GnRH), the first key hormone of is synthesized and secreted from the hypothalamus in a Conadot ropi n reproduct i on.

reproduction, is synthesized and secreted from the hypothalamus in a pulsatile manner and stimulates pitulitary geniadotrophs (5-10% of the pitulitary cells) to synthesize and release gonadotrophs (5-10% of the pitulitary cells) to synthesize and release gonadotrophs (1 conadotrophs characteristic) and care the pitulitary cells. Lift and KRH members of the glycoprotein hormone family, stimulate spermatogenesis, folliculopenesis, and ovulation. Although GnHiplays a pivotal role of pitulitary consistency in gonadotropin synthesis and release, other factors such as gonadal steroids and gonadal peptides exert positive and negative feedback mechanisms, which affect GnH actions. GnH actions include activation of mechanisms, which affect GhH actions. GhHH actions include activation of phospholnositide turnover as well as phospholnosize D and A2, mobilization and influx of Q2+, activation of profein kinase C (PKQ) and mitogen-activated profein kinase (MAPK). A complex crosstals between the above messenger molecules mediates the diverse actions of GhPt Understanding the signaling mechanisms involved in GhPt actions is the basis for our understanding of basic reproductive functions in general and gonadotropin synthesis and release in particular.

15/3 AB/56

DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

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14004662 PM D: 11232021
                                              Luteinzing hormone
                                                                                                                                                                                                                                       activity in
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      totti cul openesi s
                                                                                                                                                                                                             t reat ment
                                                                                                                                                                                                                                                                                                                                                 controlled
      stimulation.
      Filicori M. Cognigni G E; Taraborrelli S; Spettoli D; Ciampaglia W;
Tabarelli De Fatis C; Pocognoli P; Cantelli B; Boschi S
    Hiproductive Endocrinology Center Department of Internal Medicine,
University of Bologna, 40138 Bologna, Italy filicori@med.unibo.it
Journal of clinical endocrinology and metabolism (United States) Jan
2001, 86 (1) p337-43, ISSN 0021-972X-Print Journal Code:
                   Publishing Model Print
Document type: Clinical Trial; Journal Article; Randomized Controlled
      Trial
                      Languages: ENGLISH
                   Main Citation Owner: N.M.
                   Record type: MEDLINE; Completed
                   Al though
                                                                                        the role that Lifplays in followlogenesis is still
  Although the role that LH plays in follicul openesis is still controversial, recent evidence points toward facilitatory actions of LH activity in ovulation induction. Thus, we compared the response to either highly purified FSH (75 IUFSP ampoule; group A 25 subjects) or human menopausal gonadotropin (75 IUFSP) ampoule; group A 25 subjects) in normovulatory GnRH agonist-suppressed women, candidates for intrauterine intermination. Aftixed regimen of 2 daily ampoules of ingly purified FSH or human of the compared properties and the control of the compared properties and the control of th
menopausal gonadoropin was administered in the initial 14 days of treatment; memolropin dose adjustment swere all lowed interestrier. Treatment: FSH 17 memolropin dose adjustment swere all lowed interestrier. Treatment FSH 17 beta-estradiol (E(2)), progesterone, testosterone, RCQ, inhibin A and inhibin B, and transvaginal pelvic ultrasound was performed at 2-day intervals. Although preovulatory E(2) levels were similar, both the duration of treatment (16.1 + 4.7 - 0.8 vs. 12.6 + 4.- 0.5 days, Pc. 0.035). PC - 0.055, were lower in group B. In the initial 14 treatment days the area under the curve of FSH progesterone, testosterone, inhibin A and inhibin B did not differ between the 2 groups, whereas LH hCQ and E(2) areas under the curve were higher in group B. The occurrence of small programs of the programs of the curve of FSH progesterone, testosterone, inhibin A and inhibin B did not differ between the 2 groups, whereas LH hCQ and E(2) areas under the curve were higher in group B. The occurrence of small programs are were significant more programs and the program of the curve of the programs of the program of th
             15/3. AB/57
        13964856 PM D: 11217062
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DIALOG(R) File 155: MEDLINE(R)
(c) format only 2008 Dialog. All rts. reserv.
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Dynamic changes in plasma concentrations of gonadotropins, inhibin, estradiol-17beta and progesterone in cows with ultrasound-guided follicular aspiration. Shi F X: Ozawa M; Ima K; Takahashi H; Shimohira I; Kojima T; Tohei

Veterinary Science (Japan) Jan 200 0916-7250--Print Journal Code: 9105360 Publishing Model Print Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH

Languages: Main Citation Owner: NLM

Record type: MEDLINE: Completed

Record type: MEDLINE: Completed To elucid date the effects of ultrasound-guided transvaginal follicular aspiration, plasms concentrations of FSR LH, inhibin, estradiol-17beta and progesterone, and folliculogenesis were examined in Holstein cows. Four clinically healthy cows with regular estrous cycles were scanned by ultrasound per rectum once a week for 9 weeks before the commencement of follicular aspiration. All visible follicles were divided into 3 categories based on their sizes (2 < or small < 5 mm 5 s core at a conduction of the commencement of the comm at random during the estrous cycle and conducted under epidural anesthosia induced with 5 m of 2% ildocaine oncie a week for 6 weeks. The average number of total visible follicles > or = 2 mm in diameter at 7 days after aspiration (21.7 \pm /- 7.4, n = 24) was similar to that before starting aspiration (26.7 \pm /- 10.5, n = 36). Hazama inhibin and estradiol-17 beta declined and fell to a trough on 1.5 days and returned to pre-aspiration values by 5 days after aspiration. Hazama concentrations of FSU increased and reached peak septimation. Hazama concentrations of results of the concentrations of the concentra

Plasma concentrations of LH also increased and reached peak levels between 0.5 and 1.5 days after aspirations. Both plasma FSH and LH had returned to pre-aspiration levels by 5 days after aspirations. Plasma concentrations of progesterone did not change with the follicular aspiration. These results demonstrate that follicular aspiration decreases plasma concentrations of inhibin and estradiol-17beta, which in turn leads to a rise in plasma concentrations of FSH and iH It is suggested that marked increases in plasma concentrations of FSH and

LH after the aspiration stimulate the development and maturation of a new cohort of follicles within one week in cows. 15/3. AB/58 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog, All rts, reserv. 875993 PM D: 10927623 Temporal and hormonal regulation of inhibin protein and subunit mFNA 13875993 temporal and normbal regulation of unit in protein and subunit mays be used to the protein and the protein and the protein and subunit mays bummond AE Dyson M hean E: Groome N P: Robertson D M. Findlay J K Prince Henry 2 Institute of Medical Research, PO Box 5152, Clayton, victoria, 3168, Australia, ann, drummon@ed, dmpash, edu au victoria sice, wastralia, ann. drummoneumen monasn, edu. au Journal of endocrinology (England), Aug 2000, 166 (2) p339-54, Publishing Model Print Document Type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH Main Of Lation Owner, NLM Main of tation Owner: N.M. Record type: MEDLINE; Completed The contribution of specific follicle populations to dimeric inhibin production and inhibin subunit mRNA expression by the rat ovary has been investigated in two model systems, granulosa cells isolated from 25-day-old dispersed in culture of whole ovaries, using specific two-site immunessays and real time PCR Media from FSN-stimulated granulosa cell cultures fractionated by gel filtration and FP-high performance liquid chromatography revealed two predominant peaks of alpha subunit and 31 kd immeric inhibin- B hevels were low FSH stimulation did corresponding inhibin-B levels were low FSH stimulation did not corresponding inhibin- B levels were low FSH stimulation did 18 levels were low FSH stimulation of did 18 levels were low the production of production of DES to immature rats prior to the lesolation of granulosa of eight-roid more alpha subunit mrww relative to either of the beta subunits. Administration of DES to immature rats prior to the isolation of granulosa cells from the ovary led to beta(A) and beta(B) mr%A expression being down-regulated in the absence of any significant change in alpha subunit expression by the granulosa cells. Inhibin-A.-B and-alpha subunit were produced by basal and stimulated cultures of ovarian cells prepared from expression by the granuiosa cells. Inhibin-A, -B and -alpha subunit were produced by basal and stimulated cultures of overian cells prepared from 4-. 8- and 12-day-old rats, indicating that primary, preantral and antral follicles contribute to total inhibin production. Consistent with these results, follicles within these ovaries expressed all three inhibin subunit with maximal expression observed in the ovaries of 8-day-old rats. mRNAs, with maximal expression observed in the ovaries of 8-day-old rats. The appearance of antal folicies in the ovary at day 12 led to a decline in the mRNA levels of each of the subunits but was most evident for the beta subunits. There was a profound influence of secondary preantral follicles on dimeric inhibin-A production, with FSH stimulation increasing inhibin-A relative to alpha subunit levels in cultures of ovarian cells prepared from 8-day-old rats. Thus, preantral follicles exposed to FSH contribute significantly to beta(A) subunit production by the ovary. In contrast, primary and preantral follicles did not produce inhibin-B in response to FSH at imulation. Transforming growth inhibin-B in response to FSH stimulation. Transforming growth factor-beta (TCF-beta) enhanced, in a time-dependent manner though inhibin-B of the inhibin forms by ovarian cells in culture, although inhibin-norms by ovarian cells in culture, although inhibin-norms with FSH and 150-bet a licited the greatest increases in production of all the inhibin forms. In summary, ovaries of 4.8. and 12-day-old rats expressed inhibin subunit in FSHs and produced to the summary ovaries of 4.8. and 12-day-old rats expressed inhibin subunit in FSHs and produced to the summary ovaries of 4.8. and 12-day-old rats expressed inhibin subunit in FSHs and produced to the summary over the dimeric inhibin-A and -B and free alpha subunit. Preantral follicles (day-8 ovarian cell cultures) were particularly sensitive to stimulation by and TGF-beta and had a substantial capacity for

FSH and TGF-beta and had a substantial capacity for inhibin production. The production of oestrogen by folicities may be instrumental in regulating inhibin production given that beta submit in TGM expression was individually regulated are likely to be similar during the post-natal period, when folicidiogenesis is being established, and diverge they eafter, when inhibin-A becomes the predominant form in the fully differentiated ovary.

15/3. AB/59 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

13835445 PM D: 10998422

Bone morphogenetic protein-15. Identification of target cells and biological functions.

Ctsuka F; Yao Z; Lee T; Yamamoto S; Erickson G F; Shimasaki S Department of Reproductive Medicine, University of California, San Diego, School of Medicine, La Joula, California 32093-083, USA 05 Journal of biological chemistry (UNITED STATES) Dec 15 2000, 275 (50) p3952-8, ISSN 0021-9258-7rint Journal Code: 2995121R (50) p39523-8, ISSN 0021-9258--Print Journal Code: Contract/Grant No.: U54HD12303: HD: United States NICHD Publishing Model Print Document type: Journal Article; Research Support, Non-U.S. Gov't; Research Support U.S. Gov't, P.H.S. Languages; ENGLISH. Main Citation Owner: NLM Record type: MEDLINE: Completed In developing ovarian follicles, the regulation of cell proliferation and differentiation is tightly coordinated. Precisely how this coordination is achieved is unknown, but recent observations have suggested that molecules. achieved is unknown. But recent observations have suggested that molecules emitted by the occyte are involved in the process. The newly discovered occyte-specific growth factor, bone morphogenetic protein-15 (BMP-15), is one such molecule. All present, nothing is known about the target cells and blodgical functions of BMP-15. To fill this gap in our knowledge, BMP-15 corporates of the protein server shown to be co-expressed in occytes throughout felliculogenesis, supporting the co-expressed in occytes throughout felliculogenesis, supporting the idea that BMP-15 is a physiological regulator of follicle cell proliferation and/or differentiation. To test this, we used primary cultures of rat granulosa cells (GSD). We found that BMP-15 is a potential section of the provided of the section of th decrease in No-Prinoused progesterone production, our mad no effect on FSH-stimulated estraction production. This result indicates that BNP-15 is a selective modulator of FSH action. In summary, this study identifies COCs as the first target cells for BNP-15. Moreover, it identifies the stimulation of OC profileration and the differential regulation of two crucial steroid formones as the first biological functions of BNP-15. Significantly, BNP-11s the first growth factor hat can coordinate CC profileration and differentiation in a way that reflects normal physiology. 15/3. AB/60 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog, All rts, reserv. 13791825 PM D: 11058434 The Parkes lecture: controlled ovarian stimulation in women.

Hillier S G Hiller C. Reproductive Meanur... Peproductive Medicine Laboratory, Department of Peproductive and Developmental Sciences, University of Edinburgh Centre for Peproductive Blology, 37 Chalmers Street, Edinburgh EBB 9EW UK, Journal of reproduction and fertility (ENSLAND) Nov 2000, 120 (2) p201-10, ISSN 0022-4251-Print Journal Code: 0376367

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15/3, AB/61
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          PM D: 11056116
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13789941 PM.U. 11095119
The role of LHin ovarian stimulation: exogenous LH:
let's design the future.
Levy D.P. Navarro J.M. Schattman G.L.; Davis O.K.; Posenwaks Z.
The Center For Reproductive Medicine and infertility, Weill Medical
College of Cornell University, New York, NY, USA.

Human reproduction (Orford, England) (ENGLAND) Nov. 2000, 15 (11) p.2558-85, ISBN 0588-1161-171 in Journal Code 870119 (11) Publish Model Print Comment in Hum Reprod 2001 Apr;16(4) 803-5; Comment in Publish 1278-2815 Fratum in Hum Reprod 2001 Mor;16(3):598 Document type: Journal Article; Review Languages; BNAI_SH

Main Citation Owner

Record type: MEDLINE; Completed Historically, follicular stimulation protocols have included both ≱ and し⊱ in an attempt to mimic the physiology of normal ISM and Lift in an attempt to min the physicology of normal himself and the physicology of the physicology o gonatour ropinins, and insuin on the folicle-occyte unit, allowing a less speculative approach. Moreover, the availability of human gonadd rophins synthesized by recombinant DVA technology and gonadd rophin-releasing hormone (GPH) antagonists, should soon permit a precise in-vivo assessment and re-evaluation of the historical 2-cell, two-gonadd rophin hypothesis. and re-evaluation of the historical 2-cell, two-gonadotrophin hypothesis. These pharmacological conditions are provide essential insights into the conditions of the conditions are considered to the conditions of the conditions

15/3, AB/62 DIALOG(R) File 155: MEDLINE(R)

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PM D: 10889840 The pathophysiology of endometriosis-associated infertility: follicular environment and entry or quality.

Pellicer A; Albert C; Carrido N; Navarro J; Remohl J; Simon C, Instituto, Valencian de Infertilidad, Valencia University School of

55 p109-19, ISSN 04 Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't; Review Languages: ENGLISH Languages: ENGLISH Main Citation Owner: NLM

Record type: MEDLINE; Completed

Record type: MEDLINE: Completed of IVE and cocyte donation programms. Several refrospective analyses of IVE and cocyte donation programms. Several refrospective analyses of the factors: militated in the set lology of endometricsis-associated infertility, have demonstrated that the quality of the embryo is affected in patients with endometricsis. To understand the mechanisms of this alteration, the endocrine, paracrine and autocrine conditions: induced during folliculogenesis in vomen with autoci ne conditions i nouce during thi studiogeness in women with the study over a disease and an increase in progesterone accumulation in vitro was observed in basal and hOQ stimulated granulosa cell cultures. It is proposed that the pattern of progesterone secretion may be related to changes in the release of cytokines by ovarian and white blood cells. Hence, a second factor (VEGF) concentrations in serum tollicular fluid and granulosa cell cultures. Lt.-6 concentrations in serum tollicular fluid and granulosa cell cultures. Lt.-6 concentrations in serum were higher in the natural cycles of women with endometriosis than in women in the control group, and were modulated by ovarian stimulation, decreasing significantly in serum from stimulated cycles. In addition, It-6 concentrations were higher in the follicular fluid of women with endometriosis than in hose in the control group and IL-6 was released in higher amounts by granulosa luteal cells of patients with endometricsis. VEGF was accumulated in lower concentrations in the follicular fluid of patients with endometricsis. These observations Indicate the property of the p the oocyte donation model. These alterations may be induced by functional changes in the process of follical agenesis that affect steroid synthesis, as well as by cytokine release by ovarian and blood cells.

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DIALOG(R) File 155: MEDLINE(R)
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PM D: 10831560 A prospective, randomized, controlled, double-blind, double-dummy comparison of recombinant and urinary HOG for inducing cocyte maturation and follicular luteinization in ovariant stimulations. Driscoll G.L; Tyler J.P; Hangan J.T; Fisher P.R; Birdsall M.A; Knight D.C. City West IVF, Westmead, NSW Australia.

Human reproduction (Oxford, England) (ENGLAND) Jun 230-p1305-10, ISSN 0268-1161--Print Journal Code: 8701199 Jun 2000. 15 (6)

Publishing Model Print

Document type: Clinical Trial; Comparative Study; Jou Randomized Controlled Trial; Research Support, Non-U.S. Gov't Journal Article:

Languages: ENGLISH Main Citation Owner: NLM Record type: MEDLINE: Completed

A random zod. controlled double-blind, double-dummy, phase III clinical A random zod. conducted in 184 women to compare the efficacy of a s.c. injection of 250 microg recombinant human chorionic gonadotrophin (rHO3, Ouidrel) to an i.m. injection of 5000 IU urinary HXG (HMSA, Profasi) in inducing

and in injection of 3000 10 urnary NAS (under Profass) in inducting indication induction with recombinant follicle stimulating hormone (Conal-P). The study primary endpoint was comparison of the number of occytes retrieved per patient receiving either compound. Secondary comparisons included the number of occytes retrieved per follicles ocytes retrieved per patient receiving either compound. Secondary comparisons included the number of ocytes retrieved per follicles aspirated; the number of mature ocytes, normally lertilized ocytes, and cleaved embryos. There were no statistically significant differences between groups for the primary endpoint (mean 4-20 ocytes retrieved 10.8 endpoints except for increased concentrations of progesterone 6-7 days after rHCQ administration (333.2 4-215.1 versus 234.1 4-129.4 nmm/lr.) < 0.004) and for HCQ during the luteal phase following rHCQ (PC). Ocytes retrieved 10.8 ocytes retrieved 1

15/3. AB/64 DIALOG(R) File 155: MEDLINE(R)

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13602281 PM D: 10831542

Embryo implantation and GnRH antagonists: embryo implantation: the Rubicon for GnRH antagonists. Hernandez E R

Clinica de Reproduccion Asistida FIV-Madrid and Instituto de Bioquimica SIC-UCM), C'Alvarez de Baena 4, 28006 Madrid. Spain. eher nandezm@meditex.es

eher nandezr@red it ex. se store the production (Cott of England) (ENGLAND) Jun 2000, 15 (6) p121-16, ISSN 0286-1651. Prim Journal Series 3701199 p121-16, ISSN 0286-1651. Prim Journal Reprod 2000 Sep;15(9) 1881-2. Comment in PM D 10966978. Comment in PM D 60966978. Comment in PM D 60966978. Comment in PM D 60966978. Comment in PM D 70966978. Comment in PM D 11574529

Document type: Journal Article; Review Languages: ENGLISH

Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Record type: MEDLINE: Completed When gonador ophin-releasing hormone (GnPH) was discovered, the agonist and antiagonist of GnPH were developed to control the release of PSH and antiagonist of GnPH were developed to control the release of PSH on the Complete of the Complete of the Complete of C antagonist is an imibitor of the cell cycle by decreasing the synthesis of growth factors. Gven that, for folliculoganesis, blastonere formation and endometrium development, mitosis is everything; the interaction between the GnRH antagonist and the GnRH receptor (present in interaction between the GhH antagonist and the GhH receptor (present in all these cells and tissues) may compromise the mittolic programme of these cells. This is the Rubicon for the GhRH antagonist: to demonstrate irrevocably that, at the minimal doses necessary to suppress LH release, it does not affect processes such as implantation, embryo development and folicial ogenesis.

DIALOG(R) File 155: MEDLINE(R)

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PM D: 10813099 Inhibition of gonadotropin surge by a brief mid-cycle regimen of ethinyl estradiol and norethindrone: possible role in in vitro fertilization. Letterie G S

Center for Reproductive Endocrinology and Fertility, Virginia Mason Medical Center, Seattle, Washington 98111, USA Gynecological endocrinology - the official journal of the International Society of Gynecological Endocrinology (EMCAND) Feb 2000, 14 (1)

ISSN 0951-3590-- Print Journal Code: 8807913

p1-4. ISSN 0951-3590-Publishing Model Print Document type: Clini Clinical Trial: Comparative Study: Journal Article:

Randomized Controlled Trial

Languages: ENGLISH Main Citation Owner: NLM Record type: MEDLINE; Completed

Various methods to prevent premature luteinizing hormone (LFA) surge and improve cycle control during hyperstimulation for in vitro fertilization (IVF) are standard of care. The purpose of the present study rentilization (IV) are standard of care. The purpose of the present study was to determine the Intil unence of a 5-day regimen of ethingly estradion (EE) and the standard of was to determine the influence of a 5-day regimen of ethinyl estradiol (EE) 10 mm lnere was no evidence of ovulation on ultrasound examination and elementary states and the service of the especially as stimulation regimens evolve toward dec gonadotropin use for stimulation and strict FSH preparations toward decreased

15/3. AB/66

DIALOG(R) File 155: MEDLINE(R)

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PM D: 10469685

13993371 PM D: 10469685
A prospective randomized comparison of ovulation induction using highly purified follicle-stimulating hormone alone and with recombinant human luteinizing hormone in in-vitro fertilization.

Silis E'S, Levy D P; Mborny M McCee M Posenwaks Z
Conter For Reproductive Medicine and Infertility, Department of Costeffice S Gynecology, The New York Presbyterian Hospital-Cornell Medical Versity New York Presbyterian Hospital-Cornell Medical Versity New York New York Presbyterian Hospital-Cornell Medical Versity New York Ne York, New York, USA,

Human reproduction (Oxford, England) (ENGLAND) Sep 1999, 14 (9) p2230-5, ISSN 0268-1161--Print Journal Code: 8701199 Journal Code: 8701199

with the potential need for less complete pituitary suppression.

Publishing Model Print
Document type: Clinical Trial; Comparative Study; Jou
Randomized Controlled Trial; Research Support, Non-U.S. Cov't Journal Article;

Languages: ENGLISH

Main Citation Owner: NLM Record type: MEDLINE; Completed The correction of the complete one of the correction of the correc Torritour queries s. It was the aim or this prior study to compare fertilization rates, entry or morphology, implantation rates and pregnancy outcomes prospectively in two age-matched patient groups: women who received highly purified FSH FSP FPP (n = 17), and women who received FSH FPP plus recombinant human LH (rhLH n = 14) throughout ovarian stimulation. All patients received mid-luteal throughout ovarian stimulation. All patients received mid-luteal printiary down-regulation with s.c. gonaddrophin-releasing hormone agonist printiary down-regulation with s.c. gonaddrophin-releasing hormone agonist printing the printing of the printing strength of the pr

poor ovarian response among FSH-HP+rhLH patients (n = 3) than among FSH-HP patients (n = 1). The trend toward better pregnancy outcomes among patients who received FSH-HP without supplemental rhLH did not reach statistical significance. It is notifiable the second reach statistical significance. It is postulated that appropriate endogenous 나는 concentrations exist despite luteal GhRHa pituitary suppression, thereby obviating the need for supplemental 나타 administration.

15/3. AB/67 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog, All rts, reserv. PM D: 10443656

Laudien in immonspace of the common space of the common of Reproductive Endocri nol ogy Center, University of Bologna, Italy.

filicori@med.unibo.it Journal of clinical endocrinology and metabolism (UN TED STATES) 1898, 84 (8) p2659-63, ISSN 0021-972X--Print Journal Code:

0375362 Publishing Model Print Document type: Clinical Trial; Journal Article; Randomized Controlled

Document type: Clinical Trial; Journal Article; Randomized Controlled Trial Languages: ENGLISH Main Offation Owner: N.M. Record type: MEDLINE: Completed Rain Offation Owner: N.M. Record type: MEDLINE: Completed Record Rec

15/3. AB/68 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

25194 PMD: 10399054 Recombinant luteinizing hormone in ovarian hyperstimulation after

Recordinant Luteinizing horrome in ovarian hyperstimulation after stimulation failure in normognoador pojac women.

Lamf T: Coruca A: Fischl F: Huber J C
Division of Qynecology, University of Vienna Medical School, Austria,
Gynecological endocrinology - the official journal of the International
Society of Qynecological Endocrinology (ENMIAND) Apr 1999, 13 (2)
p88-103, ISSN 0951-3590-Print Journal Code: 8807913
Publishing Model Print
Document type: Journal Article
Languages: ENMICH.

Languages: ENGLISH
Main of tation Owner: Num
Paccord type: McDLINE: Completed
The aim of this study was to examine the effect of an additional
administration of recombinant luteinizing hormone (r-LH) to a
gonaddiropin releasing hormone and the effect of an additional
administration of recombinant luteinizing hormone (r-EN) long protoco using
formal determined whether such a similation protocol would be more

effective in women (1) who respond poorly to stimulation with GnRHa long protocol using r-FSH only, and (2) whose LH concentrations after down-regulation in the cancelled cycle were low but above the values reported in the literature to be sufficient for folliculogenesis.

After GnRHa desensitization 150 IUr-FSH and 75 IUr-LH were administered subcutaneously daily to six normogonadotropic women with low response to ovarian hyperstimulation using a GhRHa long protocol with rresponse to ovarian hyperstinulation using a GhHa long profocol with r-FSH and low. LH concentrations after down-regulation in the over-FSH and low. LH concentrations after down-regulation in the over-transfer after following the control of the over-transfer after following the control of the over-transfer after following the control of the over-miscarriage in the eleventh week of gestation. Cur results suggest that women with low response to a GhFHa long profocol with r-FSH, and whose LH concentration after down-regulation in the cancelled cycles were low, benefit from the additional administration of r-Liftin a GnRHa long protocol using r-₹S\$\ It seems that due to the additional administration of r-₹\$\ the ₹\$\ concentration in the follicular phase is sufficient to support folliquiogenesis.

15/3. AB/69 DIALOG(R) File 155: MEDLINE(R) (c) format only 2008 Dialog. All rts. reserv.

13234282 PM D: 10210289

19234282 PM D. 10210289
The effect of follicies-stimulating hormone (FSH) on the expression
of SH recept in the state of t

Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH

Languages Main Oftation Owner: NLM

Paper of type.

Report type.

The acquisition of PSH receptors during follow logenesis is believed to be a key event in the subsequent development of the follicle. The regulation by FSH of FSH receptor expression and function. ine regulation by rest of rest receptor expression and function versions the studied using cultured granulosa cells of diethylstillestrol each of the studied using cultured granulosa cells of diethylstillestrol FSH led to a reduction in FSH receptor levels for a short time (6 h), followed by an increase in FSH receptor levels that reached maximum of around 150% of the initial level within 3 days after the addition of FSH FSH stimulation caused a reduced cAMP response to subsequent FSH treatment and a time course experiment response to subsequent FSHI treatment and a time-course experiment demonstrated that this response was delectable within 30 min of exposure to FSHI responsiveness in cAMP production of granulosa cells was seen atter 48 h of FSHI-free interval Treatment with forskolin (FSK) enhanced the effect of subsequent FSHI on the production of intracellular cAMP. Treatment with PMA did not affect the response to intracellular cAMP. Ireatment with PMA oid not attact the response to subsequent FSH treatments These data showed that the FSH is the seek of the seek

15/3, AB/ 70 DIALOG(R) File 155: MEDLINE(R)

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PM D: 9886804

ISOLUTE For Secondary follicles causes small preantral follicles to remain dormant at the resting stage. M zunuma H Liu X Andoh K Abe Y Kobayashi J; Yamada K, Yokota H, Ibuki Y, Hasegawa Y

Gunma University School of

T: rissegawa Y
Deparfment of Ostetrics and Gynecology, Gunma University Sch
Medicine, Maebashi, Japan. mizunumu@hews.sb.gunma.u.ac.jp
Endocrinology (UN TED STATES) Jan 1999, 140 (1) p37-42, ISSN
0015-7227-Pfint
Journal Code: 0375040
Publishing Model Pint

Document type: Journal Article Languages: ENGLISH

Main Citation Owner: NLM Record type: MEDLINE: Completed

PBCord Type: McLINE; Completed
The purpose of the present study was to investigate 1) whether activin A can cause primary follicles to become dormant at the resting stage, and 2) the role of the secondary follicle on follicular growth of primary follicles. Preantral follicles (100-120 microm in diameter) harvested from adult mice and cultured in in vitro follicle culture system showed a significant increase in size and estrogen and inhib in secretion in response to FSM but the administration of activin A blocked the effect of

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FSH. Withdrawal of activin A not only restored the follicular response to FSH but also enhanced the effect of FSH indicating that the action of activin A is to cause small preantral follicles to become dormant at the preantral stage. To investigate the role of secondary follicles in the presence of the following small preantral follicles were in the presence of FSH. The secondary follicle showed a significant increase in follicles are a result of stimulation by FSH but the small preantral follicles did not increase in size. After romoval of follicles are presenced for the secondary follicle. Administration of the activin binding protein follicles are presented a significant increase in size of the secondary follicles. Administration of the activin binding protein follicitatin caused a significant increase in follicular diameter of books and preantral and secondary follicles as a result of control of the activin binding protein follicitatin caused a significant increase in follicular diameter of books and preantral and secondary follicles as a result of follicles cause Srimary follicles to become dormant at the resting stage by secreting activin.
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